SIX DAYS ■ THREE CONFERENCES ■ ONE EXHIBITION

EuMW 2022
CREATIVE MICROWAVES

EUROPEAN MICROWAVE WEEK

MILANO CONVENTION CENTRE
MILAN, ITALY
25-30 SEPTEMBER 2022
www.eumweek.com

25th EDITION OF THE EUMW WEEK

SHOW GUIDE

EUROPE'S PREMIER MICROWAVE, RF, WIRELESS AND RADAR EVENT

EXHIBITION OPENING HOURS:

Tuesday 27 September	09.00 - 18.00
Wednesday 28 September	09.00 - 17.30
Thursday 29 September	09.00 - 16.00

IN PERSON EVENT

CREATIVE IN MICROWAVES

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52nd European Microwave Conference 2022
The 52nd European Microwave Conference

EuMIC 2022
The 17th European Microwave Integrated Circuits Conference

EuRAD 2022
The 19th European Radar Conference

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Welcome to the 25th European Microwave Week

This is the 25th anniversary of European Microwave Week (EuMW) as this year's event takes place in Milan 25-30 September. The last time the event was in Milan was 20 years ago in 2002. Milan is the business and financial center of Italy along with a long history of creativity so offers a great setting to host EuMW 2022. The venue is Milano Convention Center (MiCo) so there is a wide range of transport options available for travel to MiCo Milan – air, rail network, tube, and cable car or walking/cycling.

The theme for EuMW 2022 is "Creative Microwaves" – as colleagues and fellow professionals can be inspired by Milan, as it happened to Leonardo da Vinci during the years that he worked in this vibrant European city creating some of his masterpieces. This is the reason that theDomoMilano4.jpg Vitruvian Man was chosen for the logo of EuMW 2022. The event is made up of three co-located conferences:

- The European Microwave Conference (EuMC)
- The European Microwave Integrated Circuits Conference (EuMIC)
- The European Radar Conference (EuRAD)

In addition, EuMW 2022 includes The Forum on Defence, Security and Space, The Automotive Forum, The From 5G to 6G Forum and the industry exhibition. EuMW 2022 provides the opportunity to participate in conferences, workshops, short courses and special sessions.

CONFERENCES

With a large number of submissions, close to 600 regular papers, and an acceptance rate of 66%, the Technical Program Committee was able to form 75 regular sessions, 7 focused sessions, and five poster sessions according to General TPC Chair, Maurizio Bozzi. In addition, there are five special sessions: one special session in Memoriam of Prof. Vittorio Rizzoli, one organized in collaboration with the European Association on Antennas and Propagation, and three geographical special sessions (devoted to the microwave research in Asia Pacific region, India, and North Africa). The program also includes two inter-society technology panels, organized in collaboration with the IEEE Microwave Theory and Technology Society (MTT-S): one panel is devoted to biomedical applications and the other is related to emerging materials, and both panels feature worldwide known authorities with different scientific background, ready for stimulating discussions with the audience.

Six opening and closing sessions complete the program, leading to the total round number of 100 technical sessions. The conference program includes technical sessions on traditional topics (like filters, power amplifiers, and antennas) as well as sessions on emerging technologies (like multi-physics modeling, additive manufacturing, THz systems, and automotive radars).

The EuMC takes place 27-29 September and is Europe's largest conference dedicated to microwave, mmWave and terahertz devices, systems and technologies and will give you opportunities to share and discuss your recent findings with peers and experts in the field. A broad range of high frequency related topics, from materials and technologies to integrated circuits, systems and applications will be addressed in all their aspects: theory, simulation, design, and measurement.

The 17th EuMIC is part of the European Microwave Week 2022. Initiated by the GAAS® Association in 1990 and renamed in 2006, the conference is being held from 26-27 September. The EuMIC conference is jointly organized by the GAAS® Association and EuMA and is the premier European technical conference for RF and microwave electronics, and opto-electronics. It has established itself as a key contributor to the success of the overall European Microwave Week and remains the largest scientific event in Europe related to microwave integrated circuits.

The 19th EuRAD will be held from the 28-30 of September also as part of the European Microwave Week 2022. This Radar Conference is the major European event for the present status and the future trends in the field of radar research, technology, system design and applications. The EuRAD conference will bring together a global network of researchers, practitioners and institutes working on topics related to the following four areas of focus: Radar Sub-systems and Phenomenology, Radar Techniques, Radar Architecture and Systems and Radar Applications. The Women in Microwave Engineering event is co-sponsored by the IEEE MTT-S and will take place at the beautiful location of Pinacoteca Ambrosiana. The event includes a technical session followed by a visit to the museum taking place on 28 September. This year the Women in Microwaves session, entitled: "Wearable devices: engineering meets creativity" with three excellent talks by international women scientists.

Students and young professionals are strongly encouraged to attend with many activities that have been organized specifically for them such as two Doctoral Schools (one focused on Microwaves for Emerging Medical Technologies and the other on building a FMCW radar), a Three Minute Thesis competition, an IEEE Young Professional technical session, the Career Platform, prizes and grants, student helpers' program and a networking event.

FORUMS

The Automotive Forum takes place 26 September with a focus on Automotive Radar Sensors and Testing. The first 77 GHz automotive radar sensors entered the European market in 1999 and in 2019, EuMA organized the Automotive Forum for the first time to provide an open platform for industrial experts to discuss technical aspects, concepts and radar architectures as well as market issues in the area of microwaves in the automotive industry. This year's forum consists of a good mix of technical presentations, plenary and panel discussions as well as networking time. This year's event will focus on the following topics:

- Recent progress of imaging RADARs
- Radar interference challenges and solutions
- Radar interference testing and market prospects
- Novel Radar trends and innovations

The forum is mainly devoted to technical experts from automotive industry throughout the whole supply chain. Keynote speakers will present their views on special technical solutions as well as regulatory or strategic issues.

The Defence, Security, and Space (DSS) Forum takes place on 28 September and focuses on key technologies of the modern defense systems using the electromagnetic spectrum including radars, electronic support measure systems, electronic countermeasures systems, and platforms for cyber security. In this context, the

keynote speakers will consider the state of the art of leading technologies and systems, the estimated evolution of technologies and trends and consider expected capabilities and functionalities to address future challenges. The Industry Session will reflect the effort and investment that is being made to innovate/develop radar and electronic defense technologies and will be given during a "Lunch and Learn" session with free box lunches provided by Microwave Journal. The DSS Forum "Future Radar Technology Round Table" will be a moderator lead discussion with radar industry experts discussing the future of radar systems and electronic defense platforms enabled by new semiconductor technologies, faster digital processing speeds and extended memory, better thermal designs/materials, new simulation/testing capabilities and new software capabilities such as artificial intelligence and machine learning for cognitive systems. The experts will review these new capabilities and project how these underlying improvements will shape future radar systems and multi-function platforms.

The From 5G to 6G Forum takes place 29 September and takes a deep dive into the important research trends that will permit the evolution of services from 5G to 6G with a clear focus on the RF technologies that will enable the use of the mmWave and sub-THz bands. The Forum consists of a full day session with invited speakers from industry, operators and vendors, and academy. The forum covers all aspects related to integration of communication and sensing, the novel Electromagnetic Information Theory, aspects to improve coverage and performance of mmWave networks. The presence of leading operators and 5G leading vendors together with academy will permit setting the scene in terms of requirements, long term vision and most important research trends. The Forum will include a panel session, coffee breaks and box lunches.

WORKSHOPS AND SHORT COURSES

This year features a short course about Fundamentals of Microwave Power Amplifier Design and 30 workshops in the most interesting fields within the microwave industry, reflecting the areas of all the three conferences taking place during the week (EuMC, EuMIC, and EuRAD). Workshop topics include emerging applications such as quantum computing, with two different workshops focused on the cryogenic RF/mmWave technology, metrology and other emerging microwave techniques for quantum computing. Several workshops tackle 6G communication systems from different perspectives, including both architecture and system aspects as well as all its main technological challenges, from semiconductor to integration technologies. Specific sessions also address radars, automotive and space-related aspects, including the access-to-space topic. Others are devoted to healthcare and biomedical applications with four dedicated workshops tackling the last advancements on topics such as dosimetry and micro-dosimetry for the estimation of the exposure of human bodies to the EM radiation, new sensors for medical applications, nanoparticles in medicine and the innovative use of radars in this area. Several workshops are also dedicated to foundational topics such as filters, arrays and innovative manufacturing techniques. EuMIC and EuRAD workshops are concentrated on Sunday and Friday, respectively. EuMC workshops are spread throughout Sunday, Monday and Friday.

EXHIBITION

Don't miss the exhibition, not only to get closer to the latest products in the field, but also to get together and meet colleagues, establishing new connections, or bringing new life to old collaborations. The exhibition will feature close to 200 companies featuring the latest devices/components, test & measurement equipment, simulation/modeling software, materials/PCBs and more. Keysight Technologies and Rohde & Schwarz have the largest stands in the middle of the exhibition and the exhibition has many local companies and representatives from Italy that you might not see in other countries so take advantage of that and visit them. See the demonstrations and special displays to learn more about the products and services that are available from exhibiting companies. Note that the MicroApps is cancelled this year but will return next year in Berlin. See you in Milan!.

Horizon House Publications Ltd
Organisers of the European Microwave Week

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Travel Information

GETTING TO THE MICO – MILANO CONVENTION CENTRE

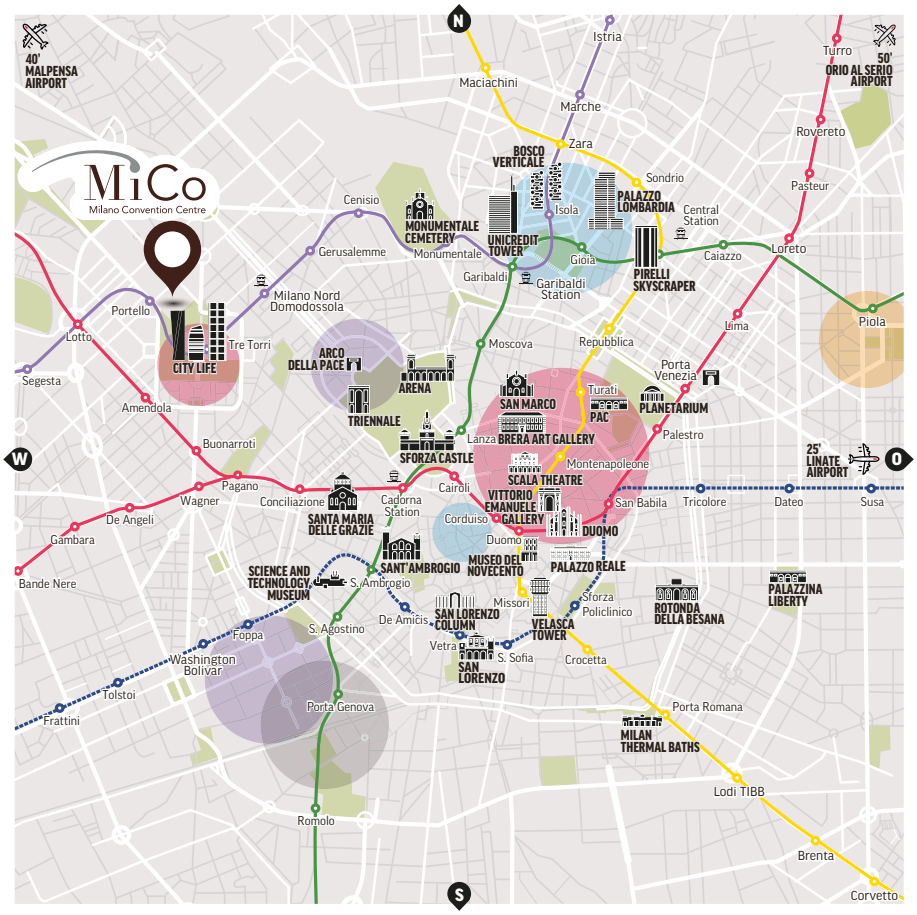
A wide range of transport options are available to travel to Milan – air, rail network, tube, and cable car or walking/cycling.
The main entrance for European Microwave Week 2022 is MiCo South, Level 1 which is accessed from Gate 2. There is also access to Level 1 from Gate 16.

VENUE ADDRESS
Allianz MiCo
Piazzale Carlo Magno, 1
20149 Milano

Milan is served by high-speed trains, and a very efficient underground and surface transport system. Many points of interest of Milan are at walking distance from MiCo You can get to MiCo - Milano Congressi by Bus, Metro, Train or Light Rail. These are the lines and routes that have stops nearby:

Bus: 48, 78, 90, 91, Z301
Train: R17, S4
Metro: M5
Light Rail: 19

For more information, please visit https://www.micomilano.it/en



M1 line red 1
M2 line green 2
M3 line yellow 3
M5 line lilla 5
M4 line blue 4
under construction

fashion design nightlife
finance science tech

HOTEL RESERVATION

Horizon House has teamed up with Connex Hotels and Events, our official hotel booking supplier, to offer you the ability to book your accommodation for EuMW at the most competitive rates available. It is very easy to make an immediate hotel booking.

Simply visit their booking page:
http://www.connexhotelsandevents.com/eumw-milan.html
and make your booking,

or email:
sally@connexhotelsandevents.com.

You will find a wide range of accommodation to suit every budget. Alternatively, see the hotel booking pages within this programme.

PERSONAL INVITATION (VISA)

A valid passport will be required for entry into the organising country, in this case Italy. An Italian visa may also be required for the purpose of attending EuMW and we suggest you check with your local embassy. If you are registering as a speaker, a delegate or an exhibitor and you need a visa, we recommend that you contact the Italian Embassy, in your own country at least 3 months prior to EuMW.
The organisers will be pleased to send a letter of invitation to any speaker, exhibitor or conference delegate requesting it to assist with their visa application.

In order to request a letter of invitation, please download and complete the request form found here: https://www.eumweek.com/visitors/passport-visa.html and send it to the visa operational officer: visas@eumw2022.org.

Local Information and Insurance

WI-FI
Wi-Fi is available in the exhibition hall and conference area. Login details can be found within your delegate bag.

ELECTRICITY
Electricity is supplied at 240V, 50 Hz.

CREDIT CARDS
All major hotels and most restaurants and shops will ac cept credit cards. It is advisable to carry other identification as well. Visa and MasterCard are the most widely accepted cards.

HISTORY & SIGHTSEEING
Milan is the undisputed business and financial capital of Italy, it is also home of the financial markets and is the base for all of the country's multinationals, making Milan a confirmed international metropolis. Its fine aesthetic traditions are upheld in new projects carried out in the city by star architects. Among the many fascinating monuments, it is worth mentioning the Duomo di Milano, the world's largest Gothic cathedral, the Sforza Castle, La Scala theatre, the Church of Santa Maria delle Grazie with the Last Supper painting of Leonardo da Vinci. The city also enjoys an enviable setting in Lombardy. Filled with enchanting art cities, this is the Italian region with the largest natural parks and splendid lakes surrounded by mountains and is a paradise for both mountaineers and skiers. The region's strong attachment to its longstanding traditions is reflected in the unforgettable flavours of internationally renowned local cuisine and wine.
For more information, visit https://www.yesmilano.it/en.

Conference Information

BADGES AND REGISTRATION
The registration area will be located near the main entrance to MiCo South on level 1 accessed from Gate 2 as signposted. There is also access from Gate 16. Online registrants will automatically be e-mailed their badge barcode and an order confirmation receipt immediately after they pay. All those who have pre-registered should bring their badge barcode and confirmation with them to the conference where they can print out their badge by scanning their barcode at the Fast Track desk onsite. Processing will be quick and easy but queues may form at busy times, so please arrange to collect your badge well in advance of your first conference session. Those who have not pre-registered can do so on site until 30th September 2022. There will be on-site registra tion terminals located within the registration area, where delegates can enter their details and pay immediately by swiping their credit or debit cards through the card read ers attached to the terminals. Alternatively, you can pay at the Cashier desk if you require a printed receipt. If you have any questions regarding registration procedures and payment, please email: eumwreg@aventri.com.

CONFERENCE ROOMS
Conference rooms are located on level 2 of the venue as signposted. The conferences will be held in different rooms over the conference dates. Please refer to the Conference Matrix in this booklet for a detailed overview. Delegates can register for one, two or all three of the conferences. Registration at one conference does not allow any access to other conference sessions. Those who wish to register for two or more conferences will receive a discount on these registrations.

INSURANCE
It is highly recommended that all participants carry the proper travel and health insurance, as the organiser cannot accept any liability for any accident, illness, or injury that occur during or when travelling to the event. Please also insure that personal items are covered for loss, damage or theft either through a personal policy or by a corporate policy. We cannot accept any liability for personal items that are lost, damaged or stolen during or travelling to and from European Microwave Week 2022.

INTERACTIVE SESSIONS
The interactive poster papers will be presented on elec tronic screens, which are located in the exhibition area as signposted on Tuesday, Wednesday and Thursday.

EXHIBITION HOURS
The exhibition area will be located in MiCo South on Level 0 as shown on the Floor Plan in this booklet. As a registered delegate you will have full access to the exhibi tion area.

The exhibition opening hours are:
- Tuesday 27th September 2022, 9:00 – 18:00
- Wednesday 28th September 2022, 9:00 – 17:30
- Thursday 29th September 2022, 9:00 – 16:30

See the back cover for a full listing of the exhibitors (cor rect at the time of going to press).

CONFERENCE PROCEEDINGS
All papers published for presentation at your chosen con ference will be available to download from an online reposi tory. Four weeks prior to the event, downloading instruc tions will be communicated to conference registrants.

SUNDAY OVERVIEW

Room	09:00 – 10:40	11:20 – 13:00	14:20 – 16:00	16:40 – 18:20
Amber 1	**SC1** Fundamentals of Microwave PA Design			
Amber 2	**WS1** 140 GHz: Where radar meets 6G			
Amber 3	**WS2** Latest Digital Predistortion Solutions for 5G and Beyond: from Handsets to MIMO Arrays.			
Amber 4	**WS3** Millimeter-Wave GaN Power Amplifiers			
Amber 5	**WS4** New On-Chip and Scalable RF Packaging Solutions with Integrated Antennas for 5G mmWave and 6G Applications		**WS5** RF and mmW reliable ICs: characterization, test and security challenges	
Amber 6	**Tom Brazil Doctoral school of Microwaves** Practical Workshop: Build a Frequency-Modulated Continuous Wave Radar in 1-day			
Suite 1	**WS6** Technological needs for future SatCom connectivity			
Suite 2	**WS7** Microwave Design and Metrology for Quantum Computing			
Suite 3	**WS8** mmWave Front Ends: Challenges and Advances			
Suite 4	**WS9** Advances in Nonlinear Component Modeling and Digital Predistortion under Modulated Signal Conditions		**WS10** Electromagnetic Waves in Daily Life: Research Insights from Young Professionals	
Suite 5	**WS11** Additive Manufacturing Technologies for Microwave and Millimeter-Wave Applications			

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Eu*MA*, the European Microwave Association® is an international non-profit organisation with a scientific, educational and technical purpose, under Belgian law.

For more information and contact, visit :

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MONDAY OVERVIEW

Room	09:00 – 10:40	11:20 – 13:00	14:20 – 16:00	16:40 – 18:20
Amber 1	**EuMIC01** Multiphysics Modelling Techniques for Advanced Devices and Circuits		**EuMIC05** SiGe mmWave Components & Sub-systems	**EuMIC09** Components & Technologies for mmWave Applications
Amber 2	**EuMIC02** Millimeter-wave Integrated Circuits		**EuMIC06** LNAs for Wireless Communications	**EuMIC10** Millimeter-wave LNAs
Amber 3	**EuMIC03** Advanced Microwave Components		**EuMIC07** Advanced Active Gallium Nitride Devices	**EuMIC11** **Focussed session** GaN Device Modelling
Amber 4	**WM1** Recent Advances in Topologies, Technologies and Practical Realizations of Microwave Sensors dedicated to biomedical applications		**EuMIC08** GaN Integrated Power Amplifiers	**EuMIC12** Integrated Power Amplifiers for Broadband Communications
Amber 5	**WM2** Cryogenic RF-mmW Technology and circuit platforms: a path toward Quantum-Computing			
Amber 6	**Doctoral school** Microwave for Emerging Medical Technologies			
Amber 7	**WM4** Space-Based Solar Power			
Amber 8	**WM5** Substrate Integration Technologies for High-Density Hybrid and Monolithic Integrated Circuits, Antennas and Systems			
Brown 1-2	**Automotive Forum**			
Brown 3		**EuMIC04** EuMIC Opening Session	**IEEE Young Professionals Event**	**3 Minute Thesis**
Suite 1	**WM3** Reconfigurable radiofrequency circuits based on ferroelectric materials			
Suite 2	**WM7** Recent developments in millimetre-wave measurement: S-parameters and material properties			
Suite 3	**WM8** New techniques and foundations for microwave and mm-wave RF filtering devices for emerging communication systems			
Suite 4	**WM9** Nanoparticles in medicine: from diagnosis to treatment			
Suite 5	**WM10** RF Reliability Status and Challenges for 5G mmWave and 6G Applications			
Suite 6	**WM6** Reconfigurable intelligent surfaces for smart electromagnetic environment: an integrated vision towards industrial applications			

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TUESDAY OVERVIEW

Room	09:00 – 10:40	11:20 – 13:00	14:20 – 16:00	16:40 – 18:20
Amber 1	**EuMIC13** Highly Integrated mmWave Systems		**EuMIC16** 22nm CMOS Building Blocks	**EuMC05** **Focussed session** Sustainable Microwave Electronics
Amber 2	**EuMIC/EuMC01** Receivers		**EuMIC17** Frequency and Signal Generation	**EuMC06** **Focussed session** Microwave Systems for Cryosphere Monitoring
Amber 3	**EuMC01** Microwave Through Terahertz Measurement Techniques		**EuMIC18** Transmitters and Switches	**EuMC07** Permittivity Measurement Techniques
Amber 4	**EuMIC14** **Focussed session** Beyond Millimeter-wave Integrated Technologies for Wireless Communications		**EuMC04** Non-planar Filters I	**EuMC08** Non-planar Filters II
Amber 5	**EuMC02** Novel Transceiver Concepts		**EuMIC/EuMC02** Wireless Systems for Mobile Communication and Radar	**EuMC09** Oscillators and Phase Shifters
Amber 6	**Doctoral school** Microwave for Emerging Medical Technologies		**Doctoral school** Microwave for Emerging Medical Technologies	
Amber 7		**Ansys Workshop**		
Amber 8		**Career Platform Special Session**		
Brown 1-2	**EuMC03** **Focussed session** Advances in Terahertz Technologies for Communication and Sensor Applications		**EuMW02** Special Session in Memoriam of Prof. Vittorio Rizzoli	**EuMIC19** EuMIC Closing Session
Suite 2			**EuMIC/EuMC03** THz Communication Systems in D and H bands: from Circuits to System-level	**EuMC10** Devices for Sub-THz Front-ends
Space 3-4		**EuMW01** EuMW/EuMC Opening Session		
Exhibition Hall		**EuMIC15** Posters		**EuMIC/EuMC04** Posters
Main Hallway			**Career Platform Recruitment Space**	

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WEDNESDAY OVERVIEW

Room	09:00 – 10:40	11:20 – 13:00	14:20 – 16:00	16:40 – 18:20
Amber 1	**EuMC11** Interconnects and Packaging	**EuMC18** Interconnects and Packaging for Sub-millimeter Wave Applications	**EuMC23** Additive Manufacturing for Microwave Components	**EuMW06** Inter-Society Technology Panel on Emerging Materials for Reshaping the MHz-Through-THz World: Fiction or Fact?
Amber 2	**EuMC12** Multiport, Reconfigurable and Beamsteering Antennas	**EuMC19** Antenna and Array Characterization Techniques	**EuMC24** Novel Array Topologies and Beamsteering Techniques	**EuMC/EuRAD02** Novel Antennas for Space Applications
Amber 3	**EuMC13** Imaging for Biomedical Applications	**EuMW04** Inter-Society Technology Panel on Biomedical Waves - The Next Breakthrough!	**EuMC25** Sensing in Biological Systems I	**EuMC29** Sensing in Biological Systems II
Amber 4	**EuMC14** Non-planar Passive Components	**EuMC20** Multi-Functional and Multi-Band Planar Filtering Devices	**EuMC26** Advanced Filters in Compact Realizations	**EuMC30** Substrate Integrated Waveguide and Multilayer Techniques
Amber 5	**EuMW03** Special Session on Emerging RF Technologies in Asia Pacific Countries	**EuRAD02** Automotive Radar I	**EuMC/EuRAD01** Automotive Radar II	**EuRAD03** Radar for Space Exploration and Remote Sensing
Amber 7		**Ansys Workshop**		
Brown 1-2	**EuMC15** Load Modulated Power Amplifiers	**EuMC21** Power Amplifiers Linearization Techniques	**EuMC27** Integration of Power Amplifiers	**EuMC31** Power Amplifiers Performance Improvement Techniques
Brown 3	**EuRAD01** EuRAD Opening Session	**Defence, Security and Space Forum**		
Suite 1	**EuMC16** Advances in Electromagnetic Modeling and Analytical Methods	**EuMC22** Simulation-Oriented Characterization of Microwave Devices	**EuMC28** Developments in Electromagnetic Computational Techniques	**EuMC32** Microwave Sensing Devices
Suite 2			**EuMW05** Special Session on Microwave and RF Technologies in India	
Exhibition Hall		**EuMC17** Posters		**EuMC/EuRAD03** Posters
Main Hallway	**Career Platform Recruitment Space**			

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THURSDAY OVERVIEW

Room	09:00 – 10:40	11:20 – 13:00	14:20 – 16:00	16:40 – 18:20
Amber 1	**EuMC33** Conceptual Progress in Antenna Design	**EuMC37** Technological Advances for Integrated Antenna Design	**EuRAD06** Radar-communication Waveforms and MIMO Applications	**EuRAD08** Positioning Techniques for Sensor Motion Compensation and Indoor Localization
Amber 2	**EuMC34** Novel Antennas for 5G and Beyond 5G Communication Systems	**EuMC38** Advances in Antennas for Sensing and Testing	**EuMC42** Advances in Antenna Arrays	**EuRAD09** Advanced Signal Processing Concepts for Automotive Radar
Amber 3	**From 5G to 6G Forum**			
Amber 4	**EuMC35** Integration and Miniaturization of Filter Components	**EuMC39** Broadband Coupler and Divider Design Techniques	**EuRAD07** Passive Radar	**EuRAD10** Automotive Radar III
Amber 5	**EuRAD04** Gesture Recognition with Radar	**EuMW08** Special Session EurAAP: Advanced Automotive Radars and Vehicle Technologies	**EuMC43 Focussed session** Efficient Millimeter-wave Communications for Mobile Users	**EuRAD11** Human Activities with Radar
Amber 7		**Ansys Workshop**		
Brown 1-2	**EuMC36** Wireless Power Transmission Recent Advances	**EuMC40** Near-field Wireless Power Transfer	**EuMC44** Energy Harvesting and Antennnas Solutions for WPT	**EuMC46** EuMC Closing Session
Suite 1	**EuMW07** Special Session on Microwave Activities in North Africa	**EuMC41** Metasurfaces and Applications	**EuMC45** Metasurfaces	
Exhibition Hall		**EuRAD05** Posters		

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FRIDAY OVERVIEW

Room	09:00 – 10:40	11:20 – 13:00	14:20 – 16:00	16:40 – 18:20
Amber 1	**EuRAD12** Signal Processing and Machine Learning for Radar Applications	**EuRAD16** **Focussed session** Automotive Radars Above 100 GHz	**WF1** Ubiquitous Radar	
Amber 2	**EuRAD13** Radar Imaging	**EuRAD17** Array Techniques and Direction Finding	**WF2** Future individual mobility based on automotive radar sensors and more ...	
Amber 3	**EuRAD14** mm-Wave and Imaging Radar	**EuRAD18** mm-Wave and Broadband Radar Subsystems	**WF3** Design and optimization of mmWave wideband radios for 5G and Satcom	
Amber 4	**EuRAD15** Radar Phenomenology and Calibration	**EuRAD19** Radar Modules and Systems	**WF4** Exploiting Symmetries and Higher Symmetries in Classical Electromagnetism for Design and Modelling of Antennas, Filters, Metamaterials, and Metasurfaces	
Amber 5	**WF5** Applications for advanced passive radar systems			
Amber 6	**WF6** Radar for Medical and Biological Applications and Bioinspired Radar			
Brown 1-2	**WF7** Dosimetry and microdosimetry applied to emerging wireless technologies: from human to cell level		**EuRAD20** EuRAD Closing Session	
Suite 1	**WF8** Integrated Sensing and Communications for 6G Systems			
Suite 2	**WF9** Reconfigurable Intelligent Surfaces and Smart Skins for B5G/6G Communications: Recent Advances, Current Trends and Vision			

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EUROPE'S PREMIER MICROWAVE, RF, WIRELESS AND RADAR EVENT

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INTERESTED IN EXHIBITING?

For International Sales:
Richard Vaughan,
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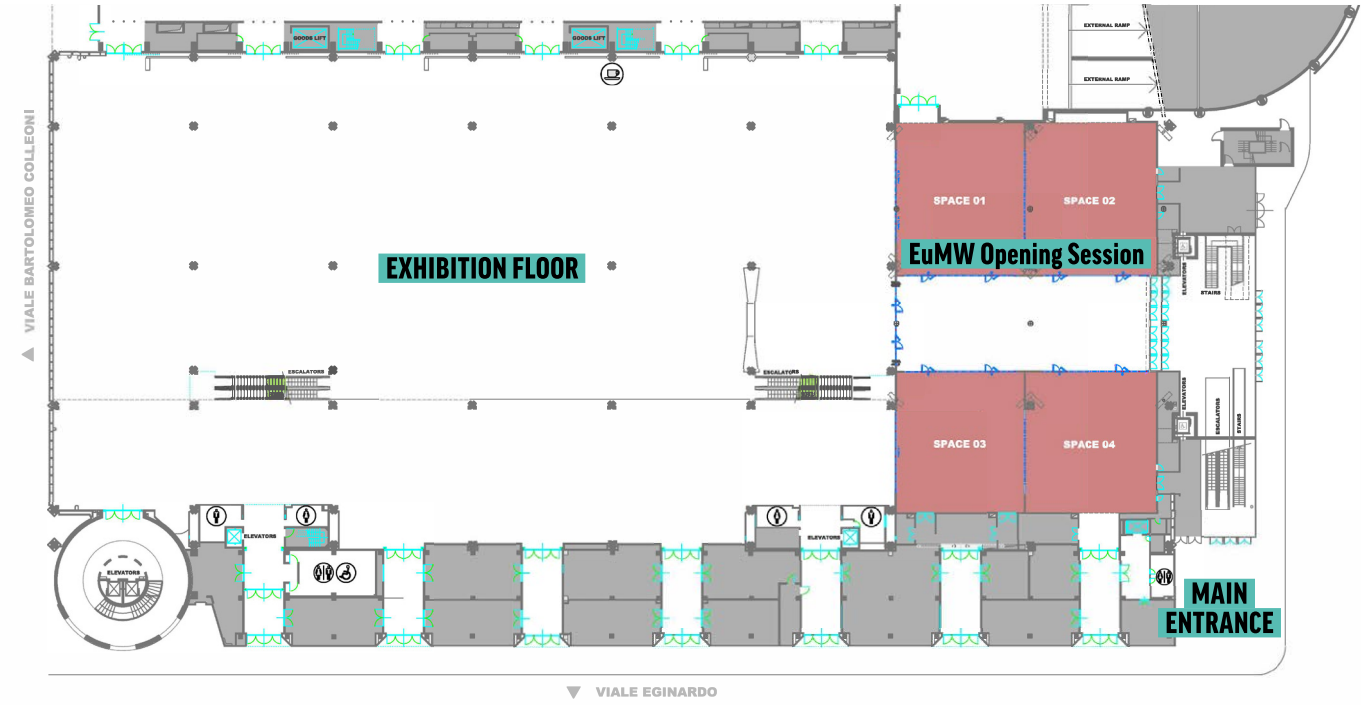
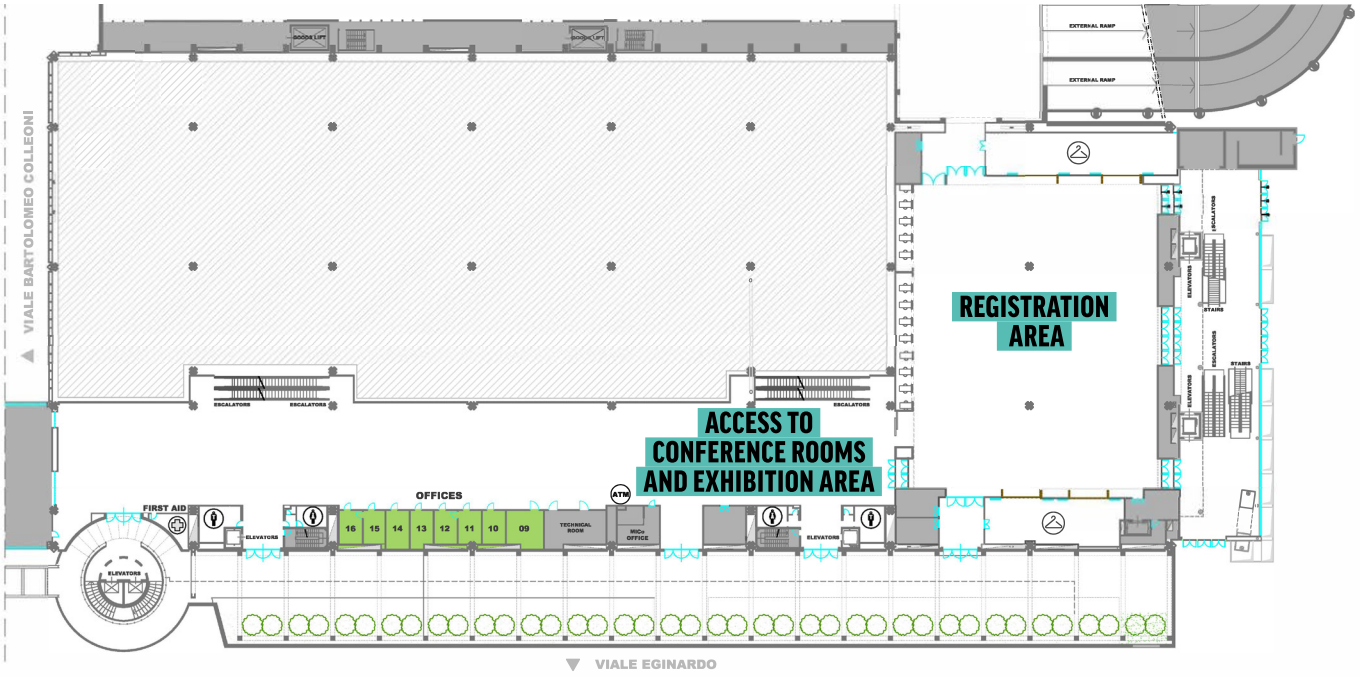
Venue Overview

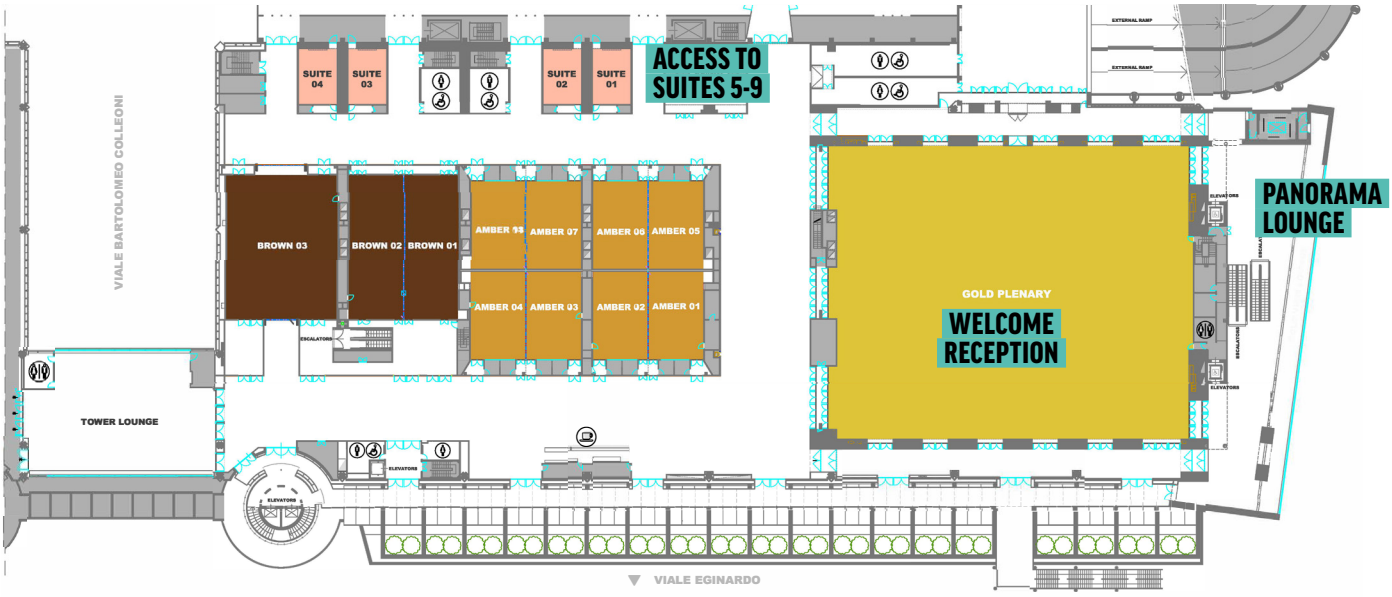
MICO SOUTH WING LEVEL 0



MICO SOUTH WING LEVEL +1



MICO SOUTH WING LEVEL +2



MICO SOUTH WING LEVEL +2 MEZZANINE

ANSYS
Technical Workshops

Date: Tuesday 27th, Wednesday 28th, and Thursday 29th September 2022
Location: Amber 7

FREE TO ATTEND WORKSHOP - REGISTER HERE
https://www.ansys.com/events/european-microwave-week-2022

TECHNICAL WORKSHOPS

This series of seminars highlights the high potentialities of the ANSYS numerical tools and how they can play a strategic role in the modern designer's working practice.
The seminars touch different topics, such as the new capabilities of modern numerical tools to more efficiently model RF devices, as well as new approaches based on Machine Learning and Metamodel. How to take into account with high accuracy the chip and its package coupling and interaction or the effects of thermo-electro-mechanical stress on RF circuit performance will be demonstrated. The benefits of using numerical modeling to implement a virtual testing environment to assess the survivability as well as the relationship between component and system-level modeling both for space applications will be explored. Finally, different approaches to handle electromagnetic issues, ranging from electromagnetic environmental effects in aerospace, or EMI/EMC issues on PCBs, or the assessment of human exposure to radiation will be deeply investigated.
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TUESDAY 27TH SEPTEMBER, 2022

10:00 – 11:00	**The Right Time to Simulate is NOW! A journey in the new simulation technologies for RF Applications** Domenico Loricchio
11:30 – 12:30	**Application of Machine Learning to EMI problems in Aerospace and Defense Industry** Giancarlo Guida
14.30 – 15.30	**RFIC fully coupled Chip-Package co-extraction** Marco Occhiali
16:00 – 17:00	**Multiphysic Simulation Approach for 5G Filter Design** Alberto Di Maria

WEDNESDAY, 28TH SEPTEMBER, 2022

10:00 – 11:00	**Survivability of RF Devices to Space Weather: Radiation hardening and Charging effects** Giancarlo Guida
11:30 – 12:30	**Signal & Power Integrity and EMC analysis of Telecommunication PCBs** Flavio Calvano
14:30 – 15:30	**From Component to Mission: Simulation as must-have for aerospace & defense industry (HFSS & STK)** Domenico Loricchio
16:00 – 17:00	**Leverage the Power of Automation with PyAEDT! A free fall in the new python library for Ansys Electronics Desktop** Alberto Di Maria

THURSDAY, 29TH SEPTEMBER, 2022

10:00 – 11:00	**Signal & Power Integrity and EMC analysis of Telecommunication PCBs** Marco Occhiali
11:30 – 12:30	**Electromagnetic Environmental Effects in Aerospace and Defense Industry** Giancarlo Guida
14:30 – 15:30	**Back to School: Take your Ansys usage to the next level with Ansys Electronics Desktop Student** Domenico Loricchio
16:00 – 17:00	**Human Exposure to 5G Radiation: Challenges and opportunities from numerical simulations** Domenico Loricchio

A-Z Product Listing

AMPLIFIERS/RF SOURCES

AGC MULTI MATERIAL EUROPE SA
Alfa Microonde srl
Ampleon
Amplitech
API INMET
API Weinschel
ARACLE (SPHEREA Group)
Artech House
BeRex Corp
Cadence Design Systems
CEA Leti
Celte S.p.A.
dB Control
DISTEK STRUMENTI & MISURE SRL
DSPM TLC SRL
Electronic Specifier Ltd
ETL Systems Ltd
Filtronic
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iCana
IHP GmbH
Inspower Co., Ltd.
Intech Microwaves SrL
JQL TECHNOLOGIES
KOSTECSYS
KYOCERA Europe GmbH
LEANFA Srl
Linwave Technology ltd
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Maury Microwave
Mercury Systems
Merican Microwave Corporation
Multifractal Semiconductors
Nano Dimension
NEL Frequency Controls
OML, Inc.
OMMIC
PIDSO - Propagation Ideas and Solutions GmbH
PM INDUSTRIES INC.
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QP Microwave
Radar Systems Technology, Inc.
RF Microtech
RF-Lambda
RFMW Europe
Richardson RFPD
Rogers Corporation / Rogers BV
Rohde & Schwarz GmbH & Co KG
RUPPtronik - MIWEKO
Sematron Italia S.r.l.
SIAE MICROELETTRONICA
SINCRON SRL
Smiths Interconnect
SpaceForest
Special-Ind a Steliau Company
Sumitomo Electric Europe Ltd
SuperApex, LLC
SYNOPSIS CORPORATION GROUP
Taiwan Union Technology Corporation
Teledyne e2v Semiconductors
TMYTEK
TNO Defence, Safety and Security
Trilight Microwave Europe AB
VIA electronic GmbH
Virginia Diodes, Inc.
WAVEPIA CO., LTD.
Werlatone Inc.
Wolfspeed, Inc
WUPATEC
Würth Elektronik eiSos GmbH & Co. KG

ANTENNAS/RADOMES

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Antenom Antenna Technologies
Artech House
Atem
Cadence Design Systems
CEA Leti
Celte S.p.A.
COBHAM MICROWAVE
DICONEX
DSPM TLC SRL
Electronic Specifier Ltd
ETL Systems Ltd
FURUNO ELECTRIC CO., LTD.
Gapwaves
Golden Devices GmbH
Huawei Technologies Italia Srl.
HYTEM
IHP GmbH
Isola
JQL TECHNOLOGIES

KOSTECSYS
Microwave Applications Group
Microwave Factory Co., Ltd.
Nano Dimension
PIDSO - Propagation Ideas and Solutions GmbH
PM INDUSTRIES INC.
Polomarconi.it
QWED Sp. z o.o.
Radiall
RF Microtech
RF-Lambda
RFMW Europe
Richardson RFPD
Rogers Corporation / Rogers BV
Rohde & Schwarz GmbH & Co KG
Rosenberger Hochfrequenztechnik GmbH & Co. KG
S2P-Smart Plastic Products
SCHOTT AG
Sematron Italia S.r.l.
Sensorview Co., Ltd.
SINCRON SRL
Smiths Interconnect
SpaceForest
Special-Ind a Steliau Company
Sylatech
Taiwan Union Technology Corporation
Teledyne e2v Semiconductors
TMYTEK
TNO Defence, Safety and Security
Würth Elektronik eiSos GmbH & Co. KG
Y.TECH

CABLES/CONNECTORS

Alfa Microonde srl
Anritsu EMEA
API INMET
API Weinschel
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Atem
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COBHAM MICROWAVE
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DSPM TLC SRL
Electronic Specifier Ltd
Electrovac AG
ETL Systems Ltd
FormFactor, Inc.
HYTEM
Junkosha Inc
M.P.G. Instruments SRL
Maury Microwave
MICROPAC S.R.L.
MPI Corporation
PIDSO - Propagation Ideas and Solutions GmbH
QWED Sp. z o.o.
Radar Systems Technology, Inc.
Radiall
RF-Lambda
RFMW Europe
Richardson RFPD
Rosenberger Hochfrequenztechnik GmbH & Co. KG
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Sensorview Co., Ltd.
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Smiths Interconnect
Southwest Microwave
Special-Ind a Steliau Company
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TMYTEK
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ETL Systems Ltd
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KOSTECSYS
KYOCERA Europe GmbH
LEANFA Srl
M.P.G. Instruments SRL
M.P.G. Instruments SRL
MACOM
PIDSO - Propagation Ideas and Solutions GmbH
Radiall
Rosenberger Hochfrequenztechnik GmbH & Co. KG
SCHOTT AG
Sematron Italia S.r.l.
Smiths Interconnect

Sumitomo Electric Europe Ltd
Teledyne e2v Semiconductors
Trilight Microwave Europe AB

PASSIVE AND CONTROL DEVICES

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Amplitech
Antenom Antenna Technologies
API INMET
API Weinschel
Artech House
AXTAL GmbH & Co. KG
Celte S.p.A.
COBHAM MICROWAVE
Coilcraft
Dalicap Technology Corporation Ltd
dB Control
DICONEX
DiTom Microwave Inc.
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Elettronica Group
ETL Systems Ltd
Filtronic
HYTEM
IHP GmbH
ITF CO., LTD.
JQL TECHNOLOGIES
Knowles Precision Devices
KOSTECSYS
Krytar
Linwave Technology ltd
M Wave Design Corporation
M.P.G. Instruments SRL
M.P.G. Instruments SRL
MACOM
Mercury Systems
Merican Microwave Corporation
Micro Harmonics Corporation
MICROPAC S.R.L.
Microwave Applications Group
MICROWAVEFILTERS & TVC SRL
OML, Inc.
OMMIC
Passive Plus, Inc.
Plexsa Manufacturing
Polomarconi.it
QP Microwave
Radar Systems Technology, Inc.
Radiall
Rakon
RF-Lambda
RFMW Europe
Richardson RFPD
RN2 Technologies Co., Ltd
RUPPtronik - MIWEKO
Sematron Italia S.r.l.
SINCRON SRL
Smiths Interconnect
SpaceForest
Special-Ind a Steliau Company
SuperApex, LLC
Sylatech
SYNOPSIS CORPORATION GROUP
TMYTEK
Werlatone Inc.
Würth Elektronik eiSos GmbH & Co. KG
Y.TECH

PCBS/MATERIALS/SUBSTRATES

ABS Technics BV
AGC MULTI MATERIAL EUROPE SA
Alfa Microonde srl
American Standard Circuits
Antenom Antenna Technologies
Artech House
DSPM TLC SRL
Electronic Specifier Ltd
Isola
JQL TECHNOLOGIES
KYOCERA Europe GmbH
LPKF Laser & Electronics AG
Micro Systems Technologies
MICROPAC S.R.L.
Multifractal Semiconductors
Nano Dimension
Optiprint Ag
Paricon Technologies
PM INDUSTRIES INC.
RN2 Technologies Co., Ltd.
Rogers Corporation / Rogers BV
Rosenberger Hochfrequenztechnik GmbH & Co. KG
S2P-Smart Plastic Products
SCHOTT AG
SIAE MICROELETTRONICA

Smiths Interconnect
Special-Ind a Steliau Company
Taiwan Union Technology Corporation
TECNISCO,LTD.
Varioprint AG
Ventec International Group
VIA electronic GmbH
Y.TECH

SEMICONDUCTORS/MMICS/ICS

Alfa Microonde srl
Altum RF
Ampleon
Amplitech
Artech House
Cadence Design Systems
CEA Leti
Celte S.p.A.
DISTEK STRUMENTI & MISURE SRL
DSPM TLC SRL
Electronic Specifier Ltd
Filtronic
FURUNO ELECTRIC CO., LTD.
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iCana
IHP GmbH
KOSTECSYS
KYOCERA Europe GmbH
Linwave Technology ltd
MACOM
Micro Systems Technologies
Microrel
Multifractal Semiconductors
OMMIC
QP Microwave
QWED Sp. z o.o.
Radar Systems Technology, Inc.
RF-Lambda
RFMW Europe
Richardson RFPD
RUPPtronik - MIWEKO
SCHOTT AG
SINCRON SRL
Special-Ind a Steliau Company
Sumitomo Electric Europe Ltd
SuperApex, LLC
Teledyne e2v Semiconductors
TNO Defence, Safety and Security
Trilight Microwave Europe AB
VIA electronic GmbH
WAVEPIA CO., LTD.
Werlatone Inc.
Wolfspeed, Inc
Würth Elektronik eiSos GmbH & Co. KG

SOFTWARE/EDA

Ansys
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ARESYS
Artech House
Artedas Europe
Cadence Design Systems
CADFEM Germany GmbH
Dassault Systèmes
Electronic Specifier Ltd
Keysight Technologies
LEANFA Srl
MathWorks
Maury Microwave
Mician GmbH
Multifractal Semiconductors
Optenni Ltd
QWED Sp. z o.o.
SpaceForest
SYNOPSIS CORPORATION GROUP
TICRA

SUB-SYSTEMS/SYSTEMS

A1 Microwave Ltd
ABS Technics BV
Alfa Microonde srl
Amplitech
Antenom Antenna Technologies
API INMET
API Weinschel
ARCALE (SPHEREA Group)
ARESYS
Artech House
AXTAL GmbH & Co. KG
Cadence Design Systems
CEA Leti
Celte S.p.A.
COBHAM MICROWAVE
CPE ITALIA S.p.A.
Dalicap Technology Corporation Ltd
dB Control

Electronic Specifier Ltd
Elettronica Group
Filtronic
FURUNO ELECTRIC CO., LTD.
Gapwaves
Huawei Technologies Italia Srl.
HYTEM
Intech Microwaves SrL
JQL TECHNOLOGIES
KOSTECSYS
Krytar
LEANFA Srl
Linwave Technology ltd
M Wave Design Corporation
M.P.G. Instruments SRL
Mercury Systems
Merican Microwave Corporation
Micro Harmonics Corporation
Microwave Factory Co., Ltd.
MICROWAVEFILTERS & TVC SRL
Multifractal Semiconductors
NEL Frequency Controls
PIDSO - Propagation Ideas and Solutions GmbH
Polomarconi.it
QP Microwave
Rakon
Richardson RFPD
RUPPtronik - MIWEKO
S2P-Smart Plastic Products
SpaceForest
Special-Ind a Steliau Company
Sylatech
SYNOPSIS CORPORATION GROUP
TNO Defence, Safety and Security
Trilight Microwave Europe AB
Werlatone Inc.

TEST AND MEASUREMENT EQUIPMENT

Active Technologies srl
AGC MULTI MATERIAL EUROPE SA
Anritsu EMEA
AntenneX
Antenom Antenna Technologies
API INMET
API Weinschel
ARACLE (SPHEREA Group)
Artech House
Celte S.p.A.
COBHAM MICROWAVE
Copper Mountain Technologies
DISTEK STRUMENTI & MISURE SRL
dSPACE GmbH
DSPM TLC SRL
Electro Rent Ltd
Electronic Specifier Ltd
Electrovac AG
ETL Systems Ltd
Filtronic
FormFactor, Inc.
Gapwaves
HYTEM
Intech Microwaves SrL
JQL TECHNOLOGIES
Keysight Technologies
KOSTECSYS
Linwave Technology ltd
M.P.G. Instruments SRL
Maury Microwave
Micro Harmonics Corporation
MICROWAVEFILTERS & TVC SRL
MPI Corporation
NEL Frequency Controls
OML, Inc.
QP Microwave
QWED Sp. z o.o.
Radar Systems Technology, Inc.
Radiall
RF Microtech
RF-Lambda
Rohde & Schwarz GmbH & Co KG
Rosenberger Hochfrequenztechnik GmbH & Co. KG
Siglent Technologies
Signal Microwave
Smiths Interconnect
SPINNER
SYNOPSIS CORPORATION GROUP
TMYTEK
Virginia Diodes, Inc.
Werlatone Inc.

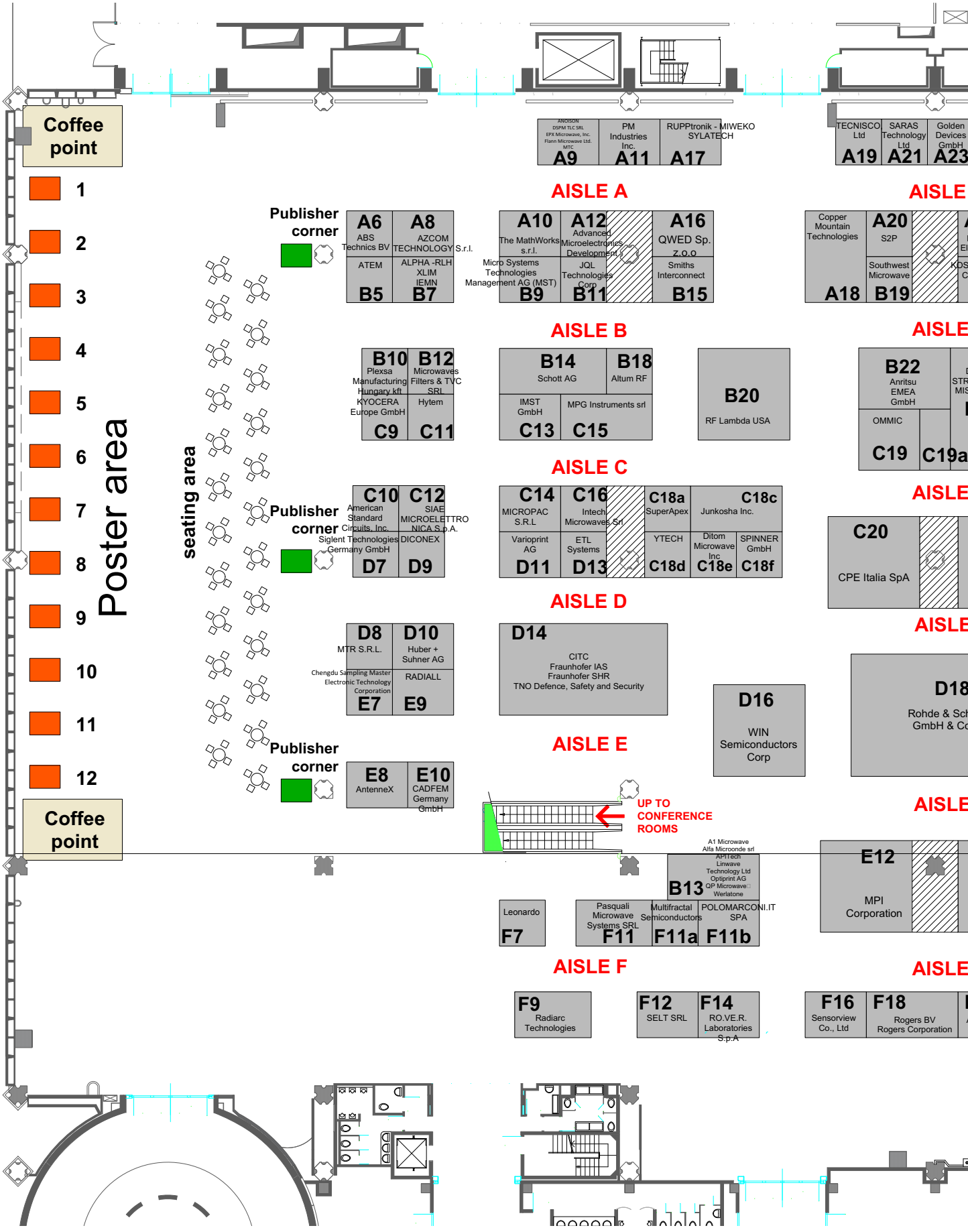
A-Z Exhibitor Listing

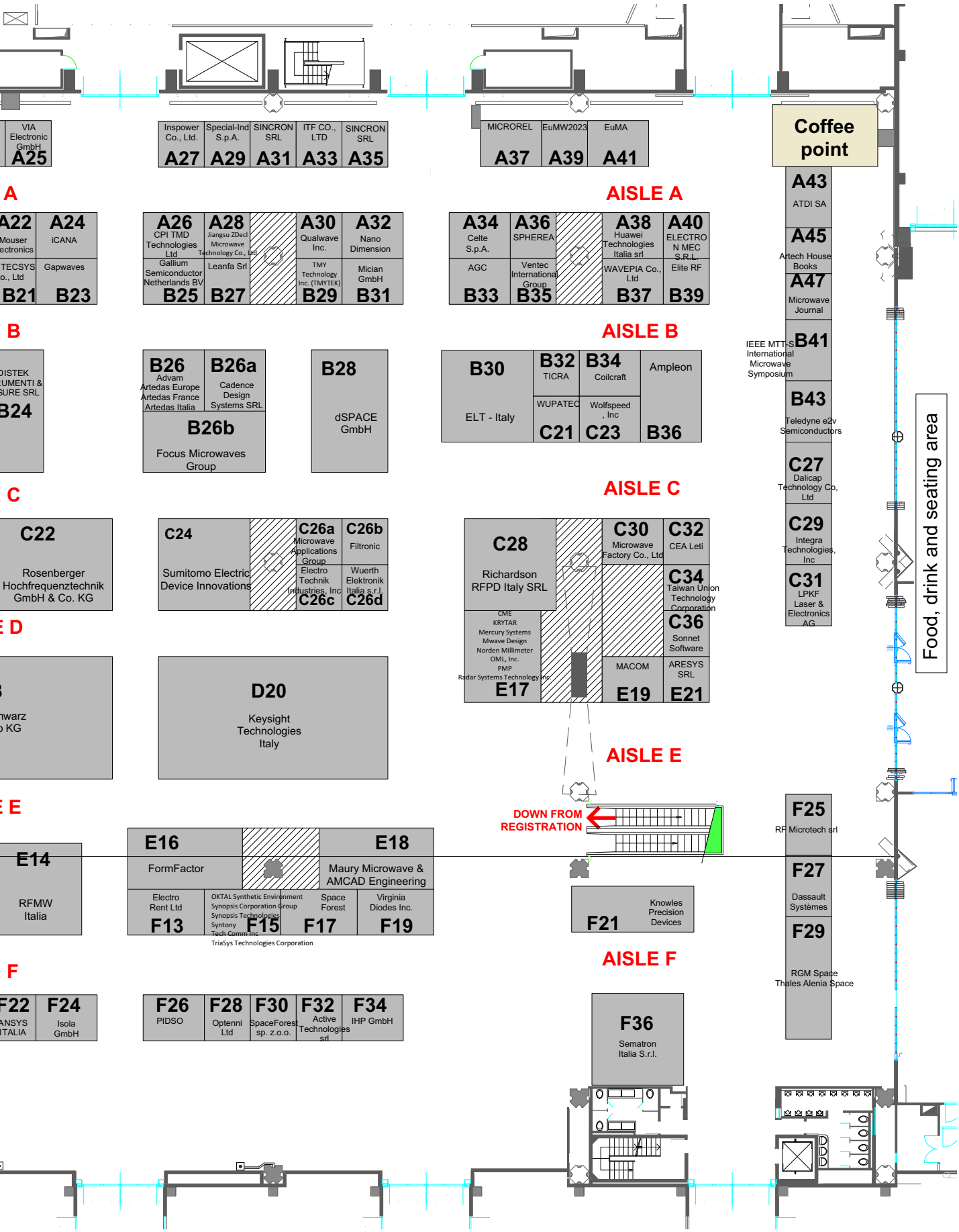
COMPANY	STAND
A1 Microwave	B13
ABS Technics BV	A6
Active Technologies srl	F32
Advam	B26
Advanced Microelectronics Development	A12
AGC	B33
AGC Multi Material Europe SA	B33
Alfa Microonde srl	B13
ALPHA - RLH	B7
Altum RF	B18
American Microwave Corporation	A17
American Standard Circuits, Inc.	C10
Ampleon	B36
Amplitech	E17
ANOISON	A9
Anritsu EMEA	B22
ANSYS	F22
AntenneX	E8
Antenom Antenna Technologies	F30
APITech	B13
ARACLE (SPHEREA Group)	A36
ARESYS	E21
Artech House	A45
Artedas Europe	B26
Artedas France	B26
Artedas Italia	B26
ATDI SA	A43
ATEM	B5
AXTAL GmbH & Co. KG	A31
AZCOM TECHNOLOGY S.r.l.	A8
BeRex Corp	A35
Bits&Chips	Pub Corner
Cadence Design Systems	B26a
CADFEM Germany GmbH	E10
CEA Leti	C32
Celte S.p.A.	A34
Chengdu Sampling Master Electronic Technology Corporation	E7
Chip Integration Technology Center (CITC)	D14
CME	E17
Cobham Microwave	A29
Coilcraft	B34
Copper Mountain Technologies	A18
CPE Italia S.P.A.	C20
CPI TMD Technologies Ltd	A26
Dalicap Technology Corporation Ltd	C27
Dassault Systèmes	F27
dB Control	E17
DICONEX	D9
DISTEK STRUMENTI & MISURE SRL	B24
DiTom Microwave Inc.	C18e
dSPACE GmbH	B28
DSPM TLC SRL	A9
Electro Rent Ltd	F13

COMPANY	STAND
Electro Technik Industries, Inc	C26c
Electronic Specifier Ltd	A22
Electronic Specifier Ltd	Pub Corner
Electrovac AG	C14
Elettronica Group	B30
Elite RF	B39
ELT - Italy	B30
EPX Microwave, Inc.	A9
ETL Systems	D13
EuMA	A41
EurAAP	C19a
European Microwave Week 2023 (EuMW 2023)	A39
everything RF	Pub Corner
Filtronic	C26b
FLANN Microwave Ltd	A9
Focus Microwaves Group	B26b
FormFactor, Inc.	E16
Fraunhofer FHR	D14
Fraunhofer IAF	D14
Furuno Electric Co.,Ltd	A35
Gallium Semiconductor Pte Ltd	B25
Gapwaves	B23
Golden Devices GmbH	A23
Gowanda	A35
HanHua Semiconductors	A40
hf-Praxis	Pub Corner
High Frequency Electronics	Pub Corner
Huawei Technologies Italia Srl.	A38
Huber + Suhner AG	D10
Hytem	C11
iCana	A24
IEEE Microwave Magazine	Pub Corner
IEEE MTT-S/ IMS2023	B41
IHP GmbH	F34
IMST GmbH	C13
Inspower Co., Ltd.	A27
Institut d'Electronique de Microeléctronique et de Nanotechnologies (IEMN)	B7
Intech Microwaves Srl	C16
Integra Technologies, Inc	C29
Isola	F24
ITF CO., LTD	A33
Jiangsu ZDecl Microwave Technology Co., Ltd	A28
JQL Technologies Corp	B11
Junkosha Inc.	C18c
Keysight Technologies	D20
Knowles Precision Devices	F21
KOSTECSYS Co., Ltd	B21
KRYTAR	E17
KYOCERA Europe GmbH	C9
LEANFA Srl	B27
Leonardo	F7
Linwave Technology	B13
LPKF Laser & Electronics AG	C31

COMPANY	STAND
M.P.G Instruments SRL	C15
MACOM	E19
MathWorks	A10
Maury Microwave & AMCAD Engineering	E18
Mercury Systems	E17
Mician GmbH	B31
Micro Harmonics Corporation	E17
Micro Systems Technologies	B9
MICROPAC S.R.L	C14
MICROREL	A37
Microwave Applications Group	C26a
Microwave Factory Co., Ltd	C30
Microwave Journal	A47
Microwave Journal	Pub Corner
Microwave Technology Corporation (MTC)	A9
MICROWAVEFILTERS & TVC SRL	B12
Microwaves & RF	Pub Corner
Mouser Electronics	A22
MPI Corporation	E12
MTR S.R.L.	D8
Multifractal Semiconductors	F11a
M-Wave Design Corporation	E17
Nano Dimension	A32
NEL Frequency Controls	A17
Norden Millimeter	E17
OKTAL Synthetic Environment	F15
OML, Inc.	E17
OMMIC	C19
Optenni Ltd	F28
Optiprint AG	B13
Panorama Difesa	Pub Corner
Paricon Technologies	A17
Pasquali Microwave Systems SRL	F11
Passive Plus, Inc.	A31
PIDSO - Propagation Ideas & Solutions GmbH	F26
Plexsa Manufacturing	B10
PM Industries Inc.	A11
PMP	E17
Polomarconi.it	F11b
QP Microwave	B13
Qualwave Inc.	A30
QWED Sp. z.o.o	A16
Radar Systems Technology Inc.	E17
RADIALL	E9
Radiarc Technologies	F9
Rakon	A35
RF Lambda	B20
RF Microtech	F25
RFMW Europe	E14
RGM Space	F29
Richardson RFPD Italy SRL	C28
RN2 Technologies Co., Ltd.	A35
Rogers BV	F18

COMPANY	STAND
Rogers Corporation / Rogers BV	F18
Rohde & Schwarz GmbH & Co KG	D18
Rosenberger Hochfrequenztechnik GmbH & Co. KG	C22
Rover Laboratories SPA	F14
RUPPtronik - MIWEKO	A17
S2P	A20
SARAS Technology Ltd	A21
Schott AG	B14
SELT SRL	F12
Sematron Italia S.r.l.	F36
Sensorview Co., Ltd	F16
SIAE MICROELETTRONICA	C12
Siglent Technologies	D7
Signal Integrity Journal	A47
Signal Microwave	E17
SINCRON SRL	A31
SINCRON SRL	A35
Smiths Interconnect	B15
Sonnet Software	C36
Southwest Microwave	B19
SpaceForest	F17
Special-Ind S.p.A.	A29
SPHEREA	A36
SPINNER GmbH	C18f
Sumitomo Electric Device Innovations	C24
Sumitomo Electric Europe Ltd	C24
SuperApex, LLC	C18a
SYLATECH	A17
Synopsis Corporation Group	F15
Synopsis Technologies	F15
Syntony	F15
Taiwan Union Technology Corporation	C34
Tech Comm	F15
TECNISCO, Ltd	A19
Teledyne e2v Semiconductors	B43
Thales Alenia Space	F29
TICRA	B32
TMY Technology Inc. (TMYTEK)	B29
TNO Defence, Safety and Security	D14
TriaSys Technologies Corporation	F15
Trilight Microwave Europe AB	C27
Varioprint AG	D11
Ventec International Group	B35
VIA electronic GmbH	A25
Virginia Diodes Inc.	F19
WAVEPIA Co., Ltd	B37
Werlatone	B13
WIN Semiconductors Corp	D16
Wolfspeed, Inc	C23
WUPATEC	C21
Würth Elektronik eiSos GmbH & Co. KG	C26d
XLIM	B7
YTECH	C18d


Coffee point
1
2
3
4
5
6
7
8
9
10
11
12
Coffee point
Poster area
seating area
Publisher corner
Publisher corner
Publisher corner
AISLE A
AISLE B
AISLE C
AISLE D
AISLE E
AISLE F
A6 ABS Technics BV
A8 AZCOM TECHNOLOGY S.r.l.
ATEM
ALPHA -RLH XLIM IEMN
B5 B7
A10 The MathWorks s.r.l.
A12 Advanced Microelectronics Development
A16 QWED Sp. z.o.o
Micro Systems Technologies Management AG (MST)
JQL Technologies Corp
Smiths Interconnect
B9 B11 B15
B10 Plexsa Manufacturing Hungary kft
B12 Microwaves Filters & TVC SRL
KYOCERA Europe GmbH
Hytem
C9 C11
B14 Schott AG
B18 Altum RF
IMST GmbH
MPG Instruments srl
C13 C15
B20 RF Lambda USA
C10 American Standard Circuits, Inc.
C12 SIAE MICROELETTRONICA S.p.A.
Siglent Technologies Germany GmbH
DICONEX
D7 D9
C14 MICROPAC S.R.L
C16 Intech Microwaves Srl
C18a SuperApex
C18c Junkosha Inc.
Varioprint AG
ETL Systems
YTECH
Ditom Microwave Inc
SPINNER GmbH
D11 D13 C18d C18e C18f
D8 MTR S.R.L.
D10 Huber + Suhner AG
Chengdu Sampling Master Electronic Technology Corporation
RADIALL
E7 E9
D14 CITC Fraunhofer IAS Fraunhofer SHR TNO Defence, Safety and Security
D16 WIN Semiconductors Corp
E8 AntenneX
E10 CADFEM Germany GmbH
UP TO CONFERENCE ROOMS
A1 Microwave
Alfa Microonde srl
AP1tech
Linwave Technology Ltd
Optiprint AG
QP Microwave
Werlatone
B13
Leonardo
F7
Pasquali Microwave Systems SRL
Multifractal Semiconductors
POLOMARCONI.IT SPA
F11 F11a F11b
F9 Radiarc Technologies
F12 SELT SRL
F14 RO.VE.R. Laboratories S.p.A
ANOISON
DSPM TLC SRL
EPX Microwave, Inc.
Flann Microwave Ltd.
MTC
A9
PM Industries Inc.
A11
RUPPtronik - MIWEKO SYLATECH
A17
TECNISCO Ltd
A19
SARAS Technology Ltd
A21
Golden Devices GmbH
A23
Copper Mountain Technologies
A18
A20 S2P
Southwest Microwave
B19
B22 Anritsu EMEA GmbH
OMMIC
C19
C19a
C20 CPE Italia SpA
D18 Rohde & Sch GmbH & Co
E12 MPI Corporation
F16 Sensorview Co., Ltd
F18 Rogers BV Rogers Corporation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Exhibitor Directory

A1 Microwave
Stand B13

Stand Personnel:

Microwave filters in coaxial and waveguide for military and commercial applications.

Westgate Carr Rd, Pickering YO18 8LX, UK
Email: sales@a1microwave.com
Website: https://a1microwave.com/

ABS Technics BV
Stand A6

Stand Personnel: Johan Kenis

ABS Technics BV designs and produces microwave absorber materials for a broad range of applications. Absorber materials are produced from different base materials such as urethane and silicone elastomers, foams, thermoplastics and other specific materials which are modified to obtain microwave absorption properties.

Emiel Becquaertlaan 2 / Bus 1.4 / B-2400 Mol / Belgium
Email: info@abstechnics.com
Website: www.abstechnics.com

Active Technologies srl
Stand F32

Stand Personnel: Michele Ramponi, Roberto Foddis, Stefano Parma

Active Technologies is an Italian company focused in producing very high-quality Arbitrary Waveform Generators and Pulse Generators. Our R&D department works in a very close co-operation with our customers, solving complex experimental systems demanded by several markets like Semiconductor and Aerospace & Defence. Our AWG-5000 is the fastest 16-bit AWG in the market and we offer up to 8 analog channels in a single instrument. Adding RF Mode option, we can reach 12.32GS/s of sampling rate with a 5Vpp amplitude.

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AGC
Stand B33

Stand Personnel: Antonio Furlone, Duane Mackenzie, Anthony Pascalet

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Alfa Microonde srl
Stand B13

Stand Personnel: Claudio Marziali, Gaia Duprè

Representative company specialized in Microwave and digital components, sub systems an systems. The company is cabale of supportung design.

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Website: www.alfamicroonde.com

ALPHA-RLH
Stand B7

Stand Personnel: Thomas COLOMBEAU / David BALAGEA

The ALPHA-RLH French Competitiveness Cluster works with companies and laboratories in setting up, evaluating and funding innovative projects. It also provides support to SME members internationalizing and exporting to global markets. ALPHA-RLH is structured around three key Strategic Fields of Activity: Photonics-Lasers, Microwaves-Electronics and Materials, with the support of digital tools, for four applied markets: Health, Communication-Security, Aeronautics-Space-Defense and Energy-Smart Buildings. Based in Bordeaux, Limoges, La Rochelle and Pau, the cluster has 283 members.

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Altum RF
Stand B18

Stand Personnel: Greg Baker, Niels Kramer, Sofija van der Loo, Oliver Kanzler

Altum RF designs high-performance RF to millimeter-wave semiconductor solutions for next generation markets and applications. Our engineers use decades of modeling expertise and system applications knowledge to define the right products for the most challenging requirements. Using proven technologies like GaAs and GaN, we deliver optimal products in terms of RF performance, level of integration and cost. Whether your project is for Telecom, 5G, Satcom, RADAR Sensors, Test & Measurement, Aerospace & Defense or ISM applications, discover Altum RF as your next RF semiconductor partner.

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AMCAD Engineering
Stand E18

Stand Personnel: Zacharia Ouardirhi

AMCAD Engineering offers the most advanced solutions of characterization and modelling of RF and Microwave devices for different customers. AMCAD proposes solutions for Foundries to measure and extract accurate models for their transistors to reach first-pass design successfully, for OEM to improve their circuit design cycle through a streamlined and standardized measurement process, and for Systems Designers to anticipate real-life system performances and optimize their specifications early in the design cycle. Product showcased: IVCAD, IQSTAR, VISION, Whiteboard, PIV, STAN.

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American Microwave Corporation
Stand A17

Stand Personnel: Bernd Rupp, Caroline Lommer

Solid state control components to 40GHz, PIN diode switches SPST-SP6ST, variable attenuators, DLVAs, power divider

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Website: www.RUPPtonik.de

American Standard Circuits, Inc.
Stand C10

Stand Personnel: Anaya Vardya and John Bushie

American Standard Circuits (ASC) prides itself on being a total solutions provider, manufacturing quality rigid, metal-backed, RF/microwave, flex, and rigid-flex PCBs for the medical, automotive, industrial, defense, and aerospace markets in volumes from test and prototypes to large production orders. ASC has the expertise to provide a wide variety of technologies in a time-critical environment. Their qualifications include AS9100 Rev D, ISO 9001:2015, MIL-PRF 31032, MIL-PRF-55110 and MIL-PRF-50884 certification.

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Ampleon
Stand B36

Stand Personnel: Olli Harju, Rob Bouwer, Houssem Schuick, Rob Vermeulen, Coen Centen, Dietmar Veith, Natascha Jellema

Ampleon is shaped by more than 50 years of RF Power leadership. The company envisions to make the world a better place through innovation in high frequency applications based on the advanced LDMOS and GaN technologies. Ampleon has more than 1,600 employees worldwide, dedicated to enable their customers to be successful with RF Power products. Its innovative, yet consistent portfolio offers products and solutions for 4G LTE and 5G NR infrastructure, industrial, scientific, medical, broadcast, aerospace, and defense applications.

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DEFENCE, SECURITY & SPACE FORUM AT EUROPEAN MICROWAVE WEEK

Organized by Microwave Journal EuMA

Wednesday
28 September 2022
Milano Convention Ctr.
Room Brown 3

Chairs:
Danilo Orlando and Alfonso Farina

09:00-10:40 — **EuRAD Opening Session**

10:40-11:20 — **Coffee Break**

11:20-13:00 — **Modern Defense Systems: Key Technologies and Future Challenges**

11:20-11:50 Jeff Herd, MIT Lincoln Lab
Trends in Phased Array Technology for Defense, Security, and Space

11:55-12:25 Michael Brandfass, HENSOLDT
Latest Trends in Multifunctional and Multiplatform Radar Applications

12:30-13:00 Goffredo Foglia, Elettronica SpA
Electro-Magnetic Spectrum Operation: Conventional and Unconventional Applications

13:00-13:45 — **Lunch and Learn: MWJ Industry Session**

Complimentary lunch boxes provided on-site by Microwave Journal
Leander Humbert, Rohde & Schwarz
Addressing the Test Challenges of Next-Generation RADAR & EW Systems

13:45-16:00 — **Modern Defense Systems: Key Technologies and Future Challenges**

13:45-14:15 Myriam Nouvel, THALES DMS
Simulations for Management Optimization of Radar with Artificial Intelligence

14:20-14:50 Maurizio Cicolani, MBDA Italy Technical Advisor and Integra System Innovation & Technology
RF High Voltage GaN and Digital Technologies Break Through the Power Barrier to Enable a New Generation of Ultra-Compact System Architectures for A&D Platforms

14:55-15:25 Thomas Neff, DLR
Current Trends and Developments in the Field of Spaceborne Reconnaissance

15:30-16:00 Laura Anitori, TNO
Radar Innovations for Future Maritime Operations: Challenges and Opportunities

16:00-16:40 — **Coffee Break**

16:40-17:40 — **DSSF Round Table**

Moderator: Andrea Zanini, Advisor, Presidency of the Council of Ministers

Maurizio Cicolani, MBDA Italy
Technical Advisor and Integra System Innovation & Technology

John Cowles, Analog Devices
Senior Director of Engineering and Technology

Fabio Sterle, Leonardo SpA
Director of Radar Systems Engineering

Daniela Pistoia, Elettronica SpA
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Amplitech
Stand E17

Stand Personnel: Jorge Flores, Tim Gallaher, John Pastore

AmpliTech designs, develops and manufactures custom leading-edge RF components for the Commercial, SATCOM, Space, and Military markets. These designs cover frequencies from 50 kHz to 44 GHz. AmpliTech also has developed new products for the 5G/6G wireless ecosystem and infrastructure, Quantum Computing, SATCOM Low Noise Amplifiers, UAVs, Radars, and virtually all communications applications with unparalleled performance and with cutting edge technology. We continue to blaze trails in our commitment to enable and accelerate the arrival of true 5G/6G architecture and contribute to the U.S. being the leader and first to reach the coveted position of Quantum Supremacy. Advanced IP, Service and Quality are our best assets to give customers the best competitive edge possible. Our goal is to improve everyone's quality of life for the 21st century and beyond.

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AnnteneX
Stand E8

Stand Personnel: Anouk Hubrechsen; Roel Budé; Bart Smolders; Ad Reniers

AntenneX is a spin-off company of Eindhoven University of Technology specialized in measurements of mm-wave 5G and 6G wireless systems and materials. Their unique solutions provide a new philosophy to antenna and material measurements, including measurements of antenna-on-chip, antenna-in-package and fully integrated phased-array systems up to 140 GHz.

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Anritsu
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Anritsu EMEA
Stand B22

Stand Personnel: Christian Sattler, Enrico Brinciotti, Ferdinand Gerhardes, Stafano Balzarini, Zuzana Magic

Anritsu Corporation has been a provider of innovative communications solutions for 120 years. The world leading test and measurement solutions include wireless, optical, microwave/RF and digital instruments, and monitoring systems, that can be used during R&D, manufacturing, installation, and maintenance of Telecom networks. Anritsu supplies a wide range of leading edge RF and Microwave test solutions operating at frequencies up to 750 GHz. Product lines include Vector Network Analyzers, Spectrum Analyzers, Signal Generators, Power Meters, including benchtop and handheld units.

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Antenom Antenna Technologies
Stand F30

Stand Personnel: Umut Bulus

Antenom Antenna Technologies has created a new concept with reusable block-based microwave component and antenna design methodologies called Anten'it. This concept is useful in antenna and microwave training and research at the universities. Antenna and microwave engineers working in the industry use the products for rapid prototyping and test their ideas rapidly. There are 3D CAD models of the antennas and microwave components which enables them to be imported into any electromagnetics simulation tool and design complex structures.

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Stand Personnel: Fabio Bernasconi

If you've ever seen a rocket launch, flown on an airplane, driven a car, used a computer, crossed a bridge, chances are you've used a product where Ansys software played a critical role in its creation. Ansys is the global leader in engineering simulation. We help the world's most innovative companies deliver radically better products to their customers. By offering the best and broadest portfolio of engineering simulation software, we help them solve the most complex design challenges.

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API INMET
Stand B13

Stand Personnel:

API Inmet is a solution minded, performance driven, and customer focused global supplier of passive RF and Microwave components.

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API Weinschel
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Stand Personnel:

For over sixty years the name Weinschel has become synonymous with leadership in RF and microwave technologies and superior quality components and subsystems. Weinschel products find a home in the wireless, defense, test, and broadband markets throughout the world.

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ARCALE (SPHEREA Group)
Stand A36

Stand Personnel: Bruno COHEN - Marco GINOSI - David BOURDIER -Satya GOPAL

ARCALE is a SPHEREA group company offering instrumentation, software development and turn keys solutions. Our RF and µW capabilities includes Phase Noise Analyzer up to 50 GHz, Low Phase Noise Synthesizer, RF & µW switching systems, Up to 40 GHz/ 2 GHZ IBW up & down Converters, SDR solutions including Transceivers and software, Radar & EW Test Solution. Our company is worldwide support organization thanks to SPHEREA group. We are offering dedicated test solution based on customer specification.

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ARESYS
Stand E21

Stand Personnel: Davide D'Aria, Fabio Gerace, Paolo Falcone

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Artech House
Stand A45

Stand Personnel: Caroline Filimon

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Artedas Europe
Stand B26

Stand Personnel: Davide Ravigliono, Stefan Mouquet, Grazia Sobrino, Davide Bianco, Elena Romani.

Artedas Europe was created out of two EDA solutions leaders in Europe: Artedas France and Artedas Italia. Supporting electronic design professionals for over thirty years, Artedas remains today the undisputed Cadence OrCAD specialist in the EMA regions, providing thousands of users with OrCAD, Allegro, AWR, InspectAR and DownStream software, and offering consulting, training, and comprehensive pre- and post- sales assistance services. Special interest during EUMW2022 will be Cadence AWR: integrated solutions to design and simulate RF and microwave circuits.

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ATEM
Stand B5

Stand Personnel: Gregory GOLF

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AXTAL GmbH & Co. KG
Stand A31

Stand Personnel: Bernd Neubig, Henry Halang

AXTAL means "Advanced XTAL Products", with "XTAL" standing for "Crystal". Founded in 2003, AXTAL focuses on the design, production, testing and sales of frequency control products (FCP), such as crystal oscillators, frequency & timing modules with ultra-low noise performance and high stability for high reliability applications like defence, aerospace and space.
The extended product portfolio includes atomic clocks from our partner. Our factory in Germany comprises a full value chain including design, manufacturing, screening and testing completely "in house".

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Azcom Technology S.r.l.
Stand A8

Stand Personnel: Davide Denti, Corrado Cermelli

Azcom Technology is a well-established provider of engineering services and solutions with a strong focus on the Wireless, Automotive, and Industrial market segments. Besides the development of 4G/5G infrastructure solutions, the company offers international customers highly specialized engineering services, particularly in embedded systems, RF engineering, and radar applications. Azcom's extensive knowledge in the field of wireless technologies combined with its experience in the development of carrier-grade products predestines the company as an ideal R&D partner. Azcom's headquarters is in Milan/Italy.

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Website: www.azcomtech.com

BeRex Corp
Stand A35

Stand Personnel: Choonghwa Jung

BeRex is focusing on and dedicated to innovative and patented RF technologies and products for the wireless industry. BeRex was founded in 2003 to be the leading marketing, designing, developing, manufacturing, and selling supplier of RF ICs, including Gain blocks, Drive Amps, IF Amps, Power Amplifiers, Discrete Amps, Switches, Mixers, Dividers, Couplers, LNAs, Digital Step Attenuators(DSA), Digital Variable Step Attenuators(DVGA), IoT Front End Modules(FEMs), Bare dice, MCMs, Customized products, and other RF integrated circuits.

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Techwatch is the publisher behind Bits&Chips. We publish both Bits&Chips and Mechatronica&Machinebouw, organize several events (of which our Benelux RF Conference) and the training courses from High Tech Institute.

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Cadence Design Systems
Stand B26A

Stand Personnel: Antti Lautanen, David Vye, Andrew Wallace

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Stand Personnel: Alex Shalaby; Frank Weiand

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CEA Leti
Stand C32

Stand Personnel: Martin GALLEZOT, Stéphanie RICHE

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Celte S.p.A.
Stand A34

Stand Personnel: Diego Carraro, Maurizio Carraro, Riccardo Olivieri, Emanuele Tatti, Enrico Segreto

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COBHAM MICROWAVE
Stand A29

Stand Personnel: Swadeck Dowlut; Jeffrey Apeldoorn ; Richard Robinson; Stephen Aubrey; Pierre Gourdon; Valérie Le Fustec

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Coilcraft
Stand B34

Stand Personnel: Flavio Sestagalli, Vittoria Greco, Michael Jamieson, Olivier Pourchet

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Copper Mountain Technologies
Stand A18

Stand Personnel: Alex Goloschokin, Subbaiah Pemmaiah, Jared McGladdery, and Rebecca Wilson

CMT develops innovative RF test and measurement solutions for engineers all over the world. The Indianapolis-based company has sales offices in Singapore, London, and Miami. CMT pioneered metrology-grade USB VNAs in 2011 and continues to push for innovation, offering a broad range of USB vector network analyzers, calibration kits, and accessories for 50 Ohm and 75 Ohm impedance from 9 kHz to 110 GHz. CMT VNAs are compatible with third-party frequency extenders up to 330 GHz.

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Website: www.coppermountaintech.com

CPE ITALIA S.p.A.
Stand C20

Stand Personnel: Mr. Ciampichetti Alberto (CEO) - Mr. Massimo Mantovani (GM)

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CPI TMD Technologies Ltd
Stand A26

Stand Personnel: Steve Humphries

CPI TMD Technologies Division (CPI TMD) is one of the world's leading manufacturers of microwave power sources, high-voltage power supplies and transmitters for radar, electronic warfare, communications, industrial testing and scientific applications. CPI TMD's specialty is innovative, custom solutions for some of the industry's most challenging applications. CPI TMD's products are optimized for use on airborne, ground based and shipboard platforms.

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Dalicap Technology Corporation Ltd
Stand C27

Stand Personnel: L. V. Gang, Dmitry Burmistrov, Andreas Gade

Manufacturer of Hi-Q low ESR RF Capacitors for Industrial high end applications

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Dassault Systèmes
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Stand Personnel: Davide TALLINI, Emanuele ZANIN, Raffaele SCUDERI, Danilo DI FEBO, Anton KOGAN

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Stand Personnel: Tim Gallaher, Marcelo Ramos

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Stand Personnel: Stephane GARBE, Christophe PIGAULT

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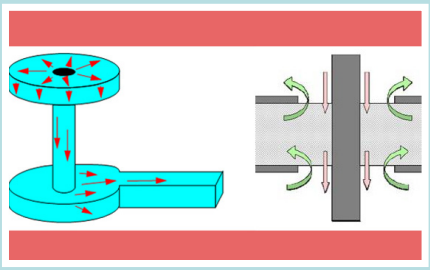

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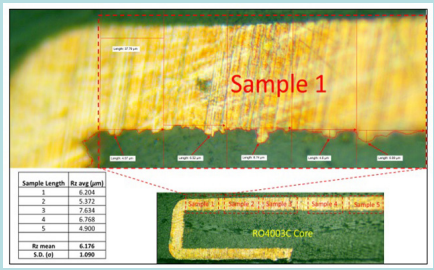

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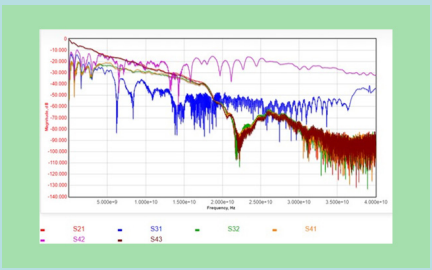

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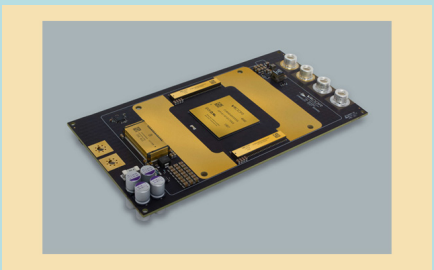

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Stand Personnel: Marco Pennacchi, Andrea Alesso, Gaia Carrera, SAM Brokenshire, Kevin Fenemore-Jones, Tony Ramsden

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Stand B30

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Stand C19A

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European Microwave Week 2023 (EuMW 2023)
Stand A39

Stand Personnel: Richard Vaughan

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Stand A35

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Gapwaves
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Stand Personnel: Lisa Törsäter

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Stand Personnel: Mark Sippel, Konstantin Lomakin, Andreas Hofmann

Imagine. Create. Progress. Our slogan is achieved by 3D-printing processes in conjunction with the Golden Devices coating concepts for passive mmWave components. The provided turn-key solution enables our partners to imagine restriction-free, monolithic designs up to 300 GHz. After the engineering phase, which our team is delighted to realize together with customers, Golden Devices finishes the prototype quickly in-house. Thanks to our reliable coating concept, a prototype can be directly transferred to series production at Golden Devices.

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Stand 41

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Stand B41

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Stand F34

Stand Personnel:

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Stand Personnel: youngkyu Choi

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Stand C16

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Stand Personnel: Alexander Ippich, David Humby, Jim Francey, Paolo Boldrini

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ITF CO., LTD.
Stand A33

Stand Personnel: Joon Kim

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Stand Personnel: Jack Zhu, Kaijun The, Francesco Tattanelli, Jay Bhaskaran

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Krytar
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Stand Personnel: Doug Hagan, Tim Gallaher

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KYOCERA Europe GmbH
Stand C9

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M.P.G. Instruments SRL
Stand C15-C17

Stand Personnel: Fabio Bianchi Martina, Marco Giuliato, Quirino Magistro, Gianfelice Aricò

M.P.G. Instruments srl, founded in 1984, has based its activity on electronic test equipment commercialization in the field of testing for Telecommunications of Civil, Military and Aerospace Avionics, taking care of the customization and defining accuracy standards based on specific requirements of the reference customers. M.P.G. Instruments srl is structured to be able to guarantee up-to-date products and customizable services to its customers, in order to ensure: – Constant technological innovation – Prompt technical assistance – Accurate maintenance and calibration services

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MACOM
Stand E19

Stand Personnel: Paolo Brosera

MACOM designs and manufactures high-performance semiconductor products for the Telecommunications, Industrial and Defense and Datacenter industries. MACOM services over 6,000 customers annually with a broad product portfolio that incorporates RF, Microwave, Analog and Mixed Signal and Optical semiconductor technologies. MACOM has achieved certification to the IATF16949 automotive standard, the ISO9001 international quality standard and the ISO14001 environmental management standard. MACOM has more than 70 years of application expertise with multiple design centers, Si, GaAs and InP fabrication, manufacturing, assembly and test, and operates facilities throughout the United States, Europe, and Asia.

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MathWorks
Stand A10

Stand Personnel: Giorgia Zucchelli, Nadia Shivarova, Giuseppe Ridino, Giuseppe Barillaro

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Maury Microwave
Stand E18

Stand Personnel:

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Mercury
Stand E17

Stand Personnel: Kim Allen

The world's most advanced commercial airlines, fighter jets, combat vehicles, weapons and defense systems demand the latest in processing and sensor and communications technologies - technologies often found only in data center, IOT, transportation and telecommunications applications. System engineers want to take advantage of commercial innovation without compromising the security, durability, life cycle availability and SWaP constraints of their platforms.

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Mician GmbH
Stand B31

Stand Personnel: Mician staff

Mician software products are geared towards rapid development of passive RF components in aerospace and telecommunications. Our µWave Wizard EDA suite is a powerful tool for synthesis, analysis and optimization of microwave assemblies. µWave Wizard's hybrid EM solver guarantees fast and accurate simulation of passive components, feed networks and antennas. Typical applications include horn and reflector antennas, feed clusters, OMTs, polarizers, circulators, waveguide and combline filters, multiplexers, couplers and more. Integrated COM/VBA interfaces support external control and third-party add-ons.

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Micro Harmonics Corporation
Stand E17

Stand Personnel: Joel Kees, Tim Gallaher

Micro Harmonics specializes in ferrite components for use at millimeterwave frequencies from 25-400 GHz. Every product that we make offers unique capabilities that distinguish it from any competing technology. See our differentiators below. Our components find use in a wide range of MMW systems including test & measurement equipment, portal security, telecommunications, scanners, and radar. DIFFERENTIATORS Our millimeter-wave ferrite components are the most advanced in the global market. Our isolators have the industry's lowest insertion loss by a wide margin. They employ diamond heat-sinks, giving them the highest power handling capability on the market. Micro Harmonics has developed a full line of isolators optimized for cryogenic applications.

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Micro Systems Technologies
Stand B9

Stand Personnel: Inaki Echeverria Arrondo

Micro Systems Technologies is a leading manufacturer of high-performance electronic components, semiconductor packaging and microelectronics for medical technology, complemented by a wide range of product lifecycle management services. The group develops and produces high-technology solutions for customers around the world, especially for applications in the fields of Life Sciences and Healthcare, Aerospace & Aviation, Internet-of-Things and Sensor technology, as well as Hi-Rel industrial electronics. MST companies are DYCONEX, Micro Systems Engineering GmbH, Micro Systems Engineering, Inc, Litronik and Micro Connect Technologies

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MICROPAC S.R.L.
Stand C14

Stand Personnel: ANDREA SAGGIO - LOUISE MALONEY - EMANUELE SALA

Micropac has been supplying products/services to the Italian Microelectronics industry

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Microrel
Stand A37

Stand Personnel: Danilo Lauta

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Microwave Applications Group
Stand C26a

Stand Personnel: Steve Van Dyke, Sharon Van Dyke, Tom Janzen

Microwave Applications Group (MAG) became a California corporation in 1969 with the goal of supporting electronically scanning antenna (ESA) technology and other technologies where routing of RF signals is accomplished electronically. Towards this goal, MAG develops ferrite-based components and subsystems, and other RF components and assemblies, to bring ESA systems and other RF devices to reality.

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Microwave Factory Co., Ltd.
Stand C30

Stand Personnel: Keiichi Karasawa

Microwave Factory Co., Ltd. (MWF) is a leading supplier of antenna and microwave measurement & EMC test systems in Japan. Since 2003, MWF has delivered hundreds of measurement products, from positioners through to customized measurement systems, to meet a variety of challenges and unique customer requirements.

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MICROWAVEFILTERS & TVC SRL
Stand B12

Stand Personnel: MR. PAOLO VIGANO' AND MR. VITO MINERVA

Microwavefilters & TVC SRL (Cernusco sul Naviglio, Milan, Italy), Via Cavalcanti 10, (ISO 9001,14001 & 45001 certified), was created by C. Viganò in 1979. Microwavefilters & TVC designs and produces MW passive components up to 96 GHz. Products: Filters, Diplexers, Multiplexers, OMT, Splitters, Dividers, Circulators, Isolators, Loads, Couplers, Adapters, Flexible-Twistable Jumper cables, Seamless Waveguides, RFU & SPU Enclosures Mechanical Parts. Technologies: Metal Insert, Waveguide, Dual Mode Waveguide, Coaxial, Hairpin and Comb Line, RC Lumped Component, Helical Filters. Markets: Radio Links, Base Stations, Broadcasting, MW Lab equipments, Space and Defence, High Precision Mechanics. Markets: 5G Back-hauling ,Radio-Links, Base Station,Combiners, Broadcasting, MW Lab equipments, Space and Defence, High Precision Mechanics

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Microwave Journal
Stand A47

Stand Personnel: Jennifer DiMarco, Patrick Hindle

Microwave Journal® is the only peer reviewed, scientific indexed trade journal within the RF/microwave industry. For more than 60 years, Microwave Journal has been THE resource for the engineers who are developing the latest technologies for the high frequency electronics sector. Microwave Journal® provides leading-edge technical content for RF, microwave and wireless engineers worldwide. Content includes practical design application articles for working engineers, the latest product features, news and analysis. mwjournal.com

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M.P.G. Instruments SRL
Stand C15

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M.P.G. Instruments, founded in 1984, is active in the field of Civil&Military Telecommunications and Aerospace Avionic Systems Testing. The company has based its activity on electronic test equipment commercialization, taking care of customization and defining accuracy standards based on specific requirements of the reference customers. M.P.G. Instruments is structured to be able to guarantee up-to-date products and customizable services to its customers, to ensure: – Constant technological innovation; – Prompt technical assistance; – Accurate maintenance and calibration services

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MPI Corporation
Stand E12

Stand Personnel: Stojan Kanev, Anderj Rumiantsev, Matthew White, Fabrizio Cagnin

MPI Corporation offers complete Test Solutions based on a variety of engineering probes systems, RF probes from DC-26 GHz to DC-220 GHz, and QAlibria® - the unique RF calibration software. Major products focus on applications such as RF and mmW, Device Characterization for modeling and process development, High Power and many other complex semicondutor test applications.

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MTR srl
Stand D8

The M.T.R. operates in the electronic, electromagnetic and mechanical processing sector since 1962. After more than 40 years of activity, the company has gained sufficient experience to be among the major manufacturing companies in the sector. The M.T.R. mainly operates in the design, analysis and development of documentation and production of professional cabling, RF microwave components oriented to highly qualified supplies in the following sectors: Missile, Telephone, Radar, Aeronautics, Railways, IT, Underwater. The company provides: Electronic and electromechanical design for military equipment; Precision mechanical processing; Field cables and radiofrequency cables; Wire Wrap Termopoint cabling; Assembly of LV and At cabinets and continuity tests; Connectorization, installation and assembly of wiring at external sites and on military aircraft; Microwave parts (guide sections, filters, couplers, transitions); Professional magnetic components „inductors, transformers".

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Multifractal Semiconductors
Stand F11a

Stand Personnel: Piotr Osuch, Hendrik Nel, Hannes Venter

Multifractal Semi. is a fabless semiconductor company in the mmW V- & E-band space: enabling highly integrated front-ends for MIMO & fronthaul. Our solutions include: 28CMOS IP (PA, LNA, VGA, UP-/DOWN-CONV, MULT, MIX), single-chip TX/RX FDD/ TDD solutions and planar BT laminate diplexers compatible with low-cost, high-volume IC packaging technologies, such as FCCSP. We also offer mmW PCELL design and modelling services for advanced technology nodes.

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M-Wave Design Corporation
Stand E17

Stand Personnel: Ken Boswell, Tim Gallaher

M-Wave Design was founded in 1988 to design and manufacture waveguide hardware for a group of loyal customers. Over the years our products have expanded to include Adapters, Transitions, Terminations, Isolators, Circulators, Couplers, Filters, and other passive components in Waveguide and Coaxial configurations. We also offer "super-components" containing integrated functions for increased efficiencies at lower cost. We specialize in small run custom microwave components with superior performance and competitive costing. We support our customer's needs from "one-off" requirements for a test set or evaluation, through large quantity production support. Our job is to "make your job easier", by providing the building blocks to exceed requirements.

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NANODIMENSION
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Nano Dimension
Stand A32

Stand Personnel: Stephan Krause, Mirko Sidoti

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NEL Frequency Controls
Stand A17

Stand Personnel: Bernd Rupp, Ulla Rupp, Caroline Lommer

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OML, Inc.
Stand E17

Stand Personnel: Tim Gallaher, Yuenie Lau

January 15, 2022. OML, Inc, celebrates 31 years in the millimeter wave industry after opening its doors in 1991. The company, first started by Chuck Olsen, has built a strong name in the industry with its products in test & measurement. Known for reliable products, strong partnerships and excellent technical support, OML strives to continue this tradition. With long standing partner relationships with Keysight, Anritsu and RST it has allowed OML to reach customers all over the world. Focusing on innovation, with Yuenie Lau as current President, OML continues pushing to not only bring forward cutting edge new products but also to provide their customers with the best possible solutions for their applications.

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OMMIC
Stand C19

Stand Personnel:

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OPTENNI

Optenni Ltd
Stand F28

Stand Personnel: Jussi Rahola, Jaakko Juntunen, Olli Pekonen

Optenni Lab™ is an RF Design Automation software platform that can optimize both antenna-related and circuit-related quantities. Optenni Lab can dramatically speed up the design of complex antenna systems by automatic matching circuit synthesis and optimization, antenna array beamforming and active impedance control. Optenni Lab also contains many assessment tools to evaluate a multitude of antenna design candidates at lightning speed. Our software links with major EM tools, and is typically applied in the design of tunable and multiband antenna systems and phased arrays.

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Optiprint Ag
Stand B13

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Paricon Technologies
Stand A17

Stand Personnel: Bernd Rupp

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Passive Plus, Inc.
Stand A31

Stand Personnel: Richard Eberhart

Passive Plus, Inc. (PPI) is a manufacturer of high-performance RF/Microwave passive components specializing in High-Q, Low ESR/ESL Capacitors, Broadband Capacitors, Single Layer Capacitors, Non-Magnetic Chip Resistors and Thin Film Resistors, and Trimmer Capacitors for the Medical, Semiconductor, Military, Broadcast, and Telecommunications Industries. With over 30-years' experience in Sales, Program Management, and RF Engineering and Development, PPI is ISO9001 certified and known for their outstanding Customer Service, high quality components, competitive pricing, and exceptional product delivery.

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PIDSO - Propagation Ideas and Solutions GmbH
Stand F26

Stand Personnel: Christoph Kienmayer, Manuel Marbach, Thomas Raggl

PIDSO is an Austrian high-tech company specializing in the development and manufacturing of antennas and antenna systems. We supply key technologies for wireless networking in industries such as automotive, event production, infrastructure, Industry 4.0, and un/manned aviation. Our service portfolio ranges from our serial-products to customer-specific solutions and services in the field of high-frequency simulation, measurement & prototype construction. Through the in-house infrastructure, all assembly work and quality assurance can be performed most efficiently, offering a unique all-in-one solution.

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Plexsa Manufacturing
Stand B10

Stand Personnel: Hermanus Swanepoel, Louise Swanepoel

Plexsa is a broadband RF multiplexer and filter specialist drawing on over 25 years experience with suspended substrate stripline technology. We ensure the quality and reliability of our products by performing every design and manufacturing process in-house. Our broadband products provide the best combination of low losses, low VSWR, and high selectivity in compact sizing. We have full production and testing capabilities from DC - 70 GHz and welcome custom designs.

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Website: www.plexsamanufacturing.com

PM INDUSTRIES INC.
Stand A11

Stand Personnel: Steve Knight

P/M Industries Inc. has been a leader in providing contract manufacturing services including CO2 Laser Machining, Laser Resistor Trimming, Diamond Sawing, Precision Lapping and Polishing of Aluminum Nitride, BeO, Alumina and other materials since 1972. They are ISO 9001:2015 registered.

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Polomarconi.it
Stand A13

Stand Personnel: Maurizio Sarto - Gianpietro Locatelli

Polomarconi.it is an Italian company that designs, manufactures and sells antennas, filters and MW modules. The Microwave division is the technological branch with customized products for the Defence and Homeland Security market The R&D team are experts in HF electronic design. This knowledge allows to implement solutions that are ideal for product manufacturing. Starting from project definition through feasibility, design, prototyping, to project release, the team operates in order to achieve the optimal solutions for our customers.

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QP Microwave
Stand B13

Stand Personnel:

QP Microwave has become a leader in the design and manufacture of DC to 50 GHz Solid State Microwave Components.

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QWED Sp. z o.o.
Stand A16

Stand Personnel: Marzena Olszewska-Placha, Janusz Rudnicki

QWED is a SME from Poland, developing and distributing QuickWave software for electromagnetic and Multiphysics simulation and design. QWED also offers a variety of test-fixtures for electromagnetic material characterisation, including dielectrics, both solid and liquid/loose, and conducting materials. QWED's offer for dielectrics characterisation covers microwave and mmWave 5G frequency bands, spanning from 1 to 110 GHz. Moreover, with automatic scanning devices QWED provides solutions for 2D imaging of electrical parameters of materials such as laminar dielectrics, semiconductors or battery anodes.

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Radar Systems Technology, Inc.
Stand E17

Stand Personnel: Kim Allen, Ken Boswell, Jorge Flores, Tim Gallaher, Eric Gebhard, John Pastore, Marcelo Ramos.

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Radiall
Stand E9

Stand Personnel: Pierrick MOREL, Regis MOUETAUX

Radiall is a global manufacturer of leading-edge interconnect solutions. The company offers an extensive range of RF coaxial connectors and cable assemblies, coaxial switches, fiber optic and microwave components, multipin connectors and more. Radiall has sales offices and subsidiaries throughout the world, R&D in the U.S., Europe and China, along with manufacturing facilities strategically located in the U.S., Mexico, India and China.

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Radiarc Technologies
Stand F9

Stand Personnel: George Atamian

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Rakon
Stand A35

Stand Personnel: Jean Jacques Arnolfo

Rakon is one of the world's largest manufacturers of frequency control products and timing solutions. Our products can be found at the heart of many applications, from 5G networks to satellites, and from Defense, emergency beacons to autonomous vehicles.

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RF Microtech
Stand F25

Stand Personnel: Elisa Fratticcioli

RFMicrotech designs and produces custom microwave products for Telecommunications, SatCom and Aerospace applications. Innovative solutions are developed in the areas of SatCom antennas, microwave filters, radar systems and RF sub-modules for a broad range of frequency. The company supports customers during all phases of product development, from feasibility studies, to design, prototyping and production. Well-equipped laboratories guarantee accurate Test services (up to67GHz) as well as antenna near-field and far-field measurements

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RF-Lambda
Stand B20

Stand Personnel: Rachelle Ferrer, Alex Van Den Berg, Justin Christopherson, Jason Yamazaki, Litong Li

RF-Lambda is ITAR registered , ISO 9001 and AS9100 Certified. RF-Lambda offers a broad range of high-end RF Components, Modules, and Systems – from RF Solid State Power Amplifiers and Low Noise Amplifiers, to RF Switches, Phase Shifters, and Attenuators. With microprocessor and FPGA capacity in our RF system designs.

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RFMW Europe
Stand E14

Stand Personnel: Colin Field, Domenico Guarnieri, Giovanni Feudale, Nick John, Nicoletta Ferrario, Tim Daniels, Martin Sadzik, Vincent Ducourtieux

RFMW is the premier pure play technical distributor of RF & Microwave components, semiconductors, passive devices, RF interconnect and T&M accessories. We offer value add services and design solutions through a focused technical sales and marketing organization ready to support your RF component engineering efforts. From antenna to baseband, RFMW is your source for RF and Microwave solutions.

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Richardson RFPD
Stand C28

Stand Personnel: Martin Evans, Ian Collins, Kevin Browne, Jihene Ghandri, David Bauquin, Barbara Nenci, Georg Bruderl, Stefan Witte, Claudio Aliprandi, Gianfranco Fuga

Richardson RFPD, an Arrow Electronics company, is a global leader in the RF, wireless, IoT and power technologies markets. It brings relationships with many of the industry's top radio frequency and power component suppliers. Whether it's designing components or engineering complete solutions, Richardson RFPD's worldwide design centers and technical sales team provide comprehensive support for customers' go-to-market strategy, from prototype to production. More information is available online at www.richardsonrfpd.com. Follow Richardson RFPD on Twitter at www.twitter.com/Richardson_RFPD.

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RN2 Technologies Co., Ltd.
Stand A35

Stand Personnel: Ermanno Baschieri

RN2 is a company that manufactures and researches and develops electric communication components (couplers, terminations, attenuators, divider etc.), boards for medical devices, and powder.

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Rogers Corporation / Rogers BV
Stand F18

Stand Personnel: Stefano Dada

Rogers Corporation (NYSE:ROG) is a global leader in engineered materials to power, protect and connect our world. Rogers delivers innovative solutions to help our customers solve their toughest material challenges. Rogers' advanced electronic and elastomeric materials are used in applications for EV/HEV, automotive safety and radar systems, mobile devices, renewable energy, wireless infrastructure, energy-efficient motor drives, industrial equipment and more. Headquartered in Chandler, Arizona, Rogers operates manufacturing facilities in the United States, Asia and Europe, with sales offices worldwide.

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Rohde & Schwarz GmbH & Co KG
Stand D18

Stand Personnel: Doris Nejedly

The Rohde & Schwarz technology group is among the trailblazers when it comes to paving the way for a safer and connected world with its leading solutions in test & measurement, technology systems, and networks & cybersecurity. Founded more than 85 years ago, the group is a reliable partner for industry and government customers around the globe. On June 30, 2020, Rohde & Schwarz had around 12,300 employees worldwide. The independent group achieved a net revenue of EUR 2.58 billion in the 2019/2020 fiscal year (July to June). The company is headquartered in Munich, Germany.

Muehldorfstrasse 15, 81671 Munich, Germany
Email: info@rohde-schwarz.com
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Rosenberger Hochfrequenztechnik GmbH & Co. KG
Stand C22

Stand Personnel: Mr. Herbert Babinger, Mr. Riccardo Santovito

Worlwide operating supplier of standard and customer-specific connectivity solutions in RF technology, high voltage and fiber optic technology - RF coaxial connectors, test/measurement/calibration products,aerospace engineering products, automotive connectors, medical/industrial connectivity solutions, fiberoptic products, cable assemblies, telematics/M2M systems . Founded in 1958, Approx. 14,800 employees all over the world, manufacturing and assembly locations, sales network worldwide, certified by IATF 16949:2016 and DIN EN 9100.

Rosenberger Hochfrequenztechnik GmbH & Co. KG, Hauptstraße 1, 83413 Fridolfing, Germany
Email: info@rosenberger.com
Website: www.rosenberger.com

RUPPtronik – MIWEKO
Stand A17

Stand Personnel: Bernd Rupp, Caroline Lommer, Ulla Rupp

RF&Microwave Distributor in Germany, Austria and Switzerland with technical support on supplier level. World biggest stock on freely available HUBER+SUHNER minibend cabels.

Breslauer Str.14, 83052 Bruckmuehl, Germany
Email: Info@RUPPtronik.de
Website: www.RUPPtonik.de

SARAS Technology Ltd
Stand A21

Stand Personnel: Ashwain Rayit, Syed Muhammad Hilmi Syed Anera, Stuart Dunbar

SARAS Technology is a leading European designer and manufacturer of RF and Microwave components including Amplifiers, Filters and RF Subsystems. From our UK base we supply high quality, ITAR free, solutions to a range of Defence, Aerospace and Communication global markets. Our standard products and solutions cover frequencies from VHF through to 20GHz and beyond and include:

- High Power Linear Amplifiers for COFDM application
- 5G TDD Remote Radio Head(RRH)
- Filters, Multiplexers and Switched Filter banks
- RF Front Ends
- SSPAs (L/S/X Band)
- OEM and Custom RF/Microwave Products

Windmill House, 277 Tong Road, Leeds LS12 4NQ, West Yorkshire, United Kingdom
Email: sales@sarastech.co.uk
Website: www.sarastech.co.uk

S2P
Stand A20

Stand Personnel: Mael MOGUEDET

S2P miniaturizes smart systems by integrating electronics functions directly on 3D complex plastic parts. From requirements to production, S2P covers the full value chain to manufacture 3D antennas, in situ sensors, integrated wires, 3D anti-tampering security devices, etc. Our developments are mainly dealing with the manufacturing of complex 3D antennas, FSS and HF functions, whatever the frequency. RF properties of materials are good and stable, our parts withstand harsh environments, and can be soldered in conventional reflow soldering processes.

5 rue Pierre et Marie Curie - 01100 - Bellignat - France

Email: info@s-2p.com

Website: www.s-2p.com

SCHOTT AG
Stand B14

Stand Personnel:

Pioneering – responsibly - together. These attributes characterize SCHOTT as a manufacturer of high-tech materials based on specialty glass. Founder Otto Schott is considered its inventor and became the pioneer of an entire industry. Always opening up new markets and applications with a pioneering spirit and passion – this is what has driven the #glasslovers at SCHOTT for more than 130 years. Represented in 34 countries, the company is a highly skilled partner for high-tech industries: Healthcare, Home Appliances & Living, Consumer Electronics, Semiconductors & Datacom, Optics, Industry & Energy, Automotive, Astronomy & Aerospace. In the fiscal year 2021, its 17,300 employees generated sales of 2.5 billion euros. SCHOTT AG is owned by the Carl Zeiss Foundation, one of the oldest foundations in Germany. It uses the Group's dividends to promote science. As a foundation company, SCHOTT has anchored responsibility for employees, society and the environment deeply in its DNA. The goal is to become a climate-neutral company by 2030.

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Website: www.schott.com

SELT Aerospace & Defence
Stand F14

Stand Personnel: Giovanni Sangaletti, Marco Bodini

SELT A&D is a system integrator for MIL market of radar test systems, training solutions and embedded system. SELT A&D provides a variety of COTS/MCOTS modules for DSP processing of digital and analog signals, mixed digital-RF system and unique ad-hoc design capabilities up to 26GHz. Product portfolio ranges from blade processing system for rugged vehicle computer implementation to Radio-Over-Fiber links.

Via Falzarego 9/11-20021- Baranzate- IT

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Sematron Italia S.r.l.
Stand F36

Stand Personnel: Mario Ciro Rizzo, Giovanni Donghi, Massimo Gigante, Enzo Ippoliti, Luca Massaro, Agostino Miccinilli, Massimo Ronchi, Massimo Valentini, Alessandro Zilianti, Emanuele Albanesi, Alessia Zilianti

SEMATRON ITALIA SRL is the leading Italian company specialized in standard and fully customized RF & MICROWAVE components and systems as well as complete systems for SATCOM and BROADCAST applications. Founded in 1982 by Ing. Luciano Rizzo, it proudly celebrates its 40th anniversary. With its strong technical Sales Staff, operates in Europe with a global offering of products at the top for quality and technological innovation in the fields of Components and Systems for Research, Civil, Avionics, Military and Space

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Email: sales@sematronitalia.eu

Website: https://www.sematronitalia.eu/

Sensorview Co., Ltd.
Stand F16

Stand Personnel:

Based in South Korea, Sensorview designs and manufactures high performance microwave cable, connector and antenna. We provide 67GHz phase-stable and low-loss microwave cable, transparent antenna, horn antenna, ultra miniaturized SMT RF connector and 60GHz antenna solutions for T&M, 5G infrastructure, wireless devices, aerospace, and automotive. With our innovative material technology and skilled R&D team, we develop customized RF design solutions that deliver unique value to our customers and are dedicated to being your trusted partner for 5G and beyond.

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Website: www.sensor-view.com

SIAE MICROELETTRONICA
Stand C12

Stand Personnel: Ziboni Maurizio, Dambrosio Debora, Farinato Simone, Gianleonardo Solazzi, Stefano Moscato

SIAE MICROELETTRONICA is an international telecommunications company based in Milan, leader in wireless network transport solutions with seventy years' experience. SIAE MICROELETTRONICA has wide in-house capabilities, from RF and digital design labs, fabrication and testing of RF components and Systems in Package, to high-throughput SMT assembly. With High Tech Services, SIAE MICROELETTRONICA offers its experience and capabilities to provide build-to-print as well as co-designed products, in order to meet customer's specifications with the best technological solution.

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Email: marketing@siaemic.com

Website: www.siaemic.com

Siglent Technologies
Stand D7

Stand Personnel: Thomas Rottach

Siglent is a leading T&M manufacturer offering a wide range of equipment from entry level to upper mid range with a frequency range of up to 26.5 GHz

Staetzlinger Str. 70, 86165 Augsburg, Germany

Email: info-eu@siglent.com

Website: www.siglenteu.com

Signal Integrity Journal
Stand A47

Stand Personnel: Carl Sheffres, Jenn DiMarco

Signal Integrity Journal, a sister publication to Microwave Journal, provides high-value content on signal integrity, power integrity and EMC/EMI related topics. Coverage includes technical articles, commentary, industry news, whitepapers, products, Buyer's Guide, webinars and videos. SI Journal is the only peer reviewed, industry journal covering these markets. Signal Integrity Journal publishes high quality, educational technical articles from industry experts. A distinguished Editorial Advisory Board assists the editorial team in the article review process and generation of quality content.

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Website: www.signalintegrityjournal.com

Signal Microwave
Stand E17

Stand Personnel: Eric Gebhart, Tim Gallaher

Signal Microwave is a manufacturing and consulting company located in Tempe, Arizona. The company was founded by Engineers with decades of experience and a proven track record of designing and building RF/microwave connectors and test boards. Our primary mission is creating solutions for the Signal Integrity/High Speed Digital market. The company is moving beyond the technology developed by traditional microwave connector manufacturers to create innovative new connector and PC board products. All products are fabricated and assembled in the USA and France using military grade materials and processes.

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SINCRON SRL
Stand A35

Stand Personnel: Ermanno Baschieri, Luca Erbisti, Simona Manzoni, Daniela Valioni

SINCRON SRL is Agent and Distributor of electronic components. We are oriented towards devices with specific application in the field of Quartz /Oscillators, Time Synchronization / GNSS satellite localization (receivers and antennas) and active and passive devices for RF and Millimeter Waves. Application sectors: Avionic, Broadcasting, Industrial, Medical, Military, Space and Telecom.

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Website: www.sincron.it

Smiths Interconnect
Stand B15

Stand Personnel: Julien Picard, Lee Roberts, Federica Nappi, Dean Terrett

Smiths Interconnect is a leading provider of technically differentiated electronic components, subsystems, microwave, optical and radio frequency products that connect, protect and control critical applications in the commercial aviation, defense, space, medical, rail, semiconductor test, and industrial market segments. Smiths Interconnect is synonymous with exceptional performance whenever a technologically advanced, high quality solution is required to ensure reliability and safety.

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Southwest Microwave
Stand B19

Stand Personnel: Dusty Leavitt, Lourdes Mota, Tiffany Winman

Since 1981, Southwest Microwave has been providing a broad range of high-performance microwave connectors and adapters, currently available from DC to 110 GHz, for hi-rel / space, defense, instrumentation, integrated-circuit and PCB evaluation applications. Built in the USA to rigorous performance and quality standards, Southwest Microwave interconnect solutions offers the industry's lowest VSWR, insertion loss and RF leakage.

9055 S. McKemy Street, Tempe, AZ 85284, USA
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Website: https://mpd.southwestmicrowave.com

SpaceForest
Stand F30

Stand Personnel: Marcin Sarnowski, Jerzy Michalski

SpaceForest specializes in microwave techniques, artificial intelligence, advanced electronics, and rocket technologies. We provide a wide range of services in the field of design and prototyping of microwave equipment, precision mechanics, and electronics. We implement internally developed technologies including Wireless Sensor Networks applied in aerospace systems, autonomous tracking, and communication system for flying vehicles, or Filter Tuning solutions (FTS) dedicated to the microwave cavity filters postproduction tuning. Cooperation with ESA lead to developing low-noise high-frequency generators and solid-state power amplifiers.

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Special-Ind
Stand A29

Stand Personnel: Ferdinando Mariani, Giuseppe Rossi

Special-Ind is a value¬added distributor of electronic and electromechanical components, solutions and professional electronic systems aimed at Italian and international customers. The product range covers the entire corporate value chain (procurement, design, production, distribution, technical support, logistics and after-sales services) in sectors such as Industrial, Automotive Electronics & E-mobility, Automotive Cables & Harnesses, Space, Defence & Telecom.

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Website: www.specialind.it

SPINNER GmbH
Stand C18f

Stand Personnel: Richard Coppola, Robert Strehmann

SPINNER ist best known for its precision passive RF products. The portfolio includes a wide range of products for test & measurement in R&D and production environments, rotating systems, broadcasting systems, anechoic chambers, 5G and 6G applications. Examples are compact and boxed calibration kits, verification kits, ruggedized test port adapters, planar/co-planar connectors, flexible dielectric waveguides, low-PIM switches and self-aligning quick connectors for automated production testing, adapters ranging from N75 Ohm to N 50 Ohm, rotary joints to name a few.

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Website: https://www.spinner-group.com

Sumitomo Electric Europe Ltd
Stand C24

Stand Personnel: Mark Ashworth, Sergio Velati, Takuro Iida, Michele Pergola, Johan Brasar, Kayoko Watanabe

Sumitomo Electric Europe Ltd as part of Sumitomo Electric Group, is a leading provider of advanced radiofrequency wireless and optical communications solutions. Sumitomo Electric will showcase its portfolio of GaN devices for Radar, Space, Radio/Link, and SATCOM applications.

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SuperApex, LLC
Stand C18a

Stand Personnel: Charles Deng, Ann Sun

SuperApex, LLC is a microwave & RF company located in the suburb of Chicago, USA. We provide the innovative solutions, products and services for our customers around the world. The company provides GaAs and GaN MMIC products, RF/Microwave/Millimeter-wave modules and chip packaging solutions. We have completely proprietary intellectual property rights for all the products we design and manufacture. SuperApex works with our customers from feasibility contracts through to new product introductions and supply. The company prides itself on working closely with its clients and developing long-term partnerships which offers success to all parties.

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Website: www.superapexco.com

Sylatech
Stand A17

Stand Personnel: Bernd Rupp, Caroline Lommer and Robert Lowther

Custom waveguide components and systems, slotted antennas, 30˚, 45˚, 60˚ and 90˚ cast bends up to 50GHz, investment casting, space grade manufacturing.

Sylatech Limited, Kirkdale Road, Kirkbymoorside, North Yorkshire, YO62 6PX
Email: Info@RUPPtronik.de
Website: www.MIWEKO.de

SYNOPSIS CORPORATION GROUP
Stand F15

Stand Personnel: Jean-Jacques IMBAULT. Taous BELBACHIR. Nicolas DOUCHIN. Philippe BADIA. François GOUDENOVE. Pierre-François PEYRARD. Jeff KENKEL.

SYNOPSIS (KEYSIGHT Solution Partner) designs real-time solutions for testing RF Systems (Radar, Electronic Warfare), based on high-performance technological bricks that make the most of digital and RF domains (DC to 100GHz). SYNOPSIS addresses both Military and Civil applications. SYNOPSIS offer consists principally in hybrid simulators: TSS (Threat Signal Simulator), RTS (Radar Target Simulator), GRS (General Radar Simulator), TASSTM (Tactical Signal Simulator) and GNSS Satellite Constellation Simulator, based on advanced proprietary sub-systems such as AWAACSTM (Arbitrary Waveform And Agile Coherent Synthesizer), modules and software.

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Taiwan Union Technology Corporation
Stand C34

Stand Personnel: CS Ng, Marko Holappa, Crystal Liu, Raymond Foo

Taiwan Union Technology Corporation (TUC) was established in 1974. Its former name was Taiwan Union Glass Industrial Co., Ltd, mainly produced optical glass. In 1997, the company changed into producing Copper Clad Laminate (also called CCL) and Prepreg. In 2001, TUC started to provide Mass Lamination service for customers. In Dec., 2003, TUC was officially listed in Taiwan OTC. With integrity, honesty, and continuous innovation, TUC provides customers not only competitive pricing, but also quick response and short lead time to maximize customer value.

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TECNISCO,LTD.
Stand A19

Stand Personnel:

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Teledyne e2v Semiconductors
Stand B43

Stand Personnel: Andrew GLASCOTT-JONES, Julien COCHARD

Highest Performance Electronic Solutions for Your Harsh Environment Applications. Teledyne e2v offers you high-performance, high-reliability semiconductor solutions, which help you solve the most demanding problems of your complete signal chain. With a range of electronics and packaging solutions, we cater to applications in the space, military, civil avionics, industrial, medical and scientific markets. When you want the best ICs to give you winning systems Teledyne e2v Semiconductors has the solutions you need.

4 Rue de Rochepleine, 38120 Saint-Egrève, France

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TICRA
Stand B32

Stand Personnel: Dr. Jakob Rosenkrantz de Lasson, Signe Pehrson Yatman, Dr. Peter Meincke and Signe Ihmels Grube Sørensen

TICRA is the world's leading supplier of EM simulation software for antenna industries, including spacecraft manufacturers and space agencies, earth-station antenna suppliers, defence industries and research institutions. With 50 years of experience in developing trusted solutions for the space industry, TICRA provides highly accurate EM simulation software for reflector antennas, feeds and related waveguide systems as well as near-field to far-field transformation software for spherical test ranges. Our expert engineers are available to customers through software support and consultancy services. As a global company with agents around the world and 40 employees located in central Copenhagen, our software has become tools of choice for antenna experts worldwide.

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Website: https://www.ticra.com

TMY Technology, Inc. (TMYTEK)
Stand B29

Stand Personnel: Vincent Lee

TMY Technology, Inc. (TMYTEK) is an innovator and a game-changer that delivers the breakthroughs of millimeter-wave solutions in 5G/B5G and SATCOM applications to worldwide clients. As a leading technology developer, TMYTEK enables people's everyday life with better connectivity from our clients' products. By transforming the mmWave RF frontend with innovative devices, implementing phased arrays with modern Antenna-in-Package (AiP) technology, and redefining the OTA testing methodology, TMYTEK empowers industrial inventions to market faster. Together with our global partners and allies, we make historical firsts and positively impact society. Visit us at http://tmytek.com/

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Website: http://tmytek.com/

TNO Defence, Safety and Security
Stand D14

Stand Personnel: Johan Bogerd, Raymond van Dijk, Stefania Monni, Marc van Heijningen

TNO Radar Technology. With more than 30 years of fabless MMIC design, TNO provides an extensive portfolio of MMIC designs, design services and foundry production ramp-up. As a research and technology organisation TNO offers world class solutions for MMICs, T/R modules, antennas, custom RF frontends and complete Radar signal processing. For Naval sensor suites, TNO Radar Technology works in close collaboration with the Dutch Ministry of Defence, and has a strategic collaboration with Thales Netherlands.

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Trilight Microwave Europe AB
Stand C27

Stand Personnel: Flemming Gade, Dmitry Burmistrov, Bertrand Taiel, Andreas Gade

A company providing Passive and Active componentes for high end Industrial and Defense applications

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Website: www.trilightmw.com

Varioprint AG
Stand D11

Stand Personnel: Daniel Heiniger, Romeo Premerlani, Sascha Faust, Remo Rutz

"When performance matters, Varioprint helps you take your project from idea to value."

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Email: info@varioprint.ch

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Ventec International Group
Stand B35

Stand Personnel: Pietro Cucciati, Didier Mauve

Ventec is a premier supplier of advanced copper clad glass reinforced and metal backed substrates to the Global PCB industry. Ventec specializes in PCB base materials which include high-quality enhanced FR4, high-speed/low-loss- & high-performance IMS material technology and an advanced range of thermal management solutions. All are manufactured using strict quality-controlled processes that are certified to AS9100D, IATF 16949:2016 and ISO 9001:2015, and are backed by a fully controlled and managed global supply chain, sales- and technical support-network.

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Website: www.venteclaminates.com

VIA electronic GmbH

Stand A25

Stand Personnel: Harald Klaubert, Dr. Uwe Krieger

VIA electronic manufacture customized LTCC multilayer boards and packages suitable for RF applications. Other materials like Al2O3 or glass are possible. Typically applications are in industrial, telecommunication, 5G, space, defense and scientific market like e.g. coupler, filter, amplifier, MMIC-packages, TR-modules or antennas. Customized boards, packages and various options of interconnection like BGA, LGA, Leadframe, castellations are possible. VIA offers also a brazing service for frames and heatsinks as well as novel capping technologies on waferlevel for hermetic closing.

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Website: www.via-electronic.de

Virginia Diodes, Inc.

Stand F19

Stand Personnel: Tom Crowe, Jeffery Hesler

VDI manufactures state-of-the-art test and measurement equipment for mm-wave and THz applications. These products include Vector Network Analyzer, Spectrum Analyzer and Signal Generator Extension Modules that extend the capability of high performance microwave measurement tools to higher frequencies.

979 Second Street, S.E. Suite 309 Charlottesville, VA 22902, USA

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WAVEPIA CO., LTD.

Stand B37

Stand Personnel: Daniel Lee

WAVEPIA is a fabless IC design house and has assembly team for GaN bare-die, matched/unmatched transistors and MMIC from DC to 40 GHz. It can perform from low output to 200W with persistency and consume less power in the severe conditions which is applicable for defense, communication systems, satellite etc. WAVEPIA develops and supplies High power PLL, RF Generator, Energy master and package automation equipment for TR & MMIC and keeping eye on the active research for customized solutions.

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Email: sales@wavepia.com

Website: https://www.wavepia.com/

Werlatone Inc.

Stand B13

Stand Personnel:

Combiners, couplers, high power. Filters, Digital Power meters. Everything in both coaxial and waveguide

17 Jon Barrett Rd. Patterson, NY 12563 United States

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WIN Semiconductors Corp.

Stand D16

Stand Personnel: Russ Wagner, Harry Quinlan, David Danzilio, Kara Harmon, Wen-Kai Wang, Juno Hsu

WIN Semiconductors is the leading global provider of pure-play GaAs, GaN and optical device wafer foundry services for the wireless, infrastructure and networking markets. WIN Semiconductors provides its foundry partners with a diverse portfolio of Hetero-junction Bipolar Transistor, Pseudomorphic High Electron Mobility Transistor technology and optical device solutions that support leading-edge products for applications from 50 MHz to 150GHz and through lightwave.

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Wolfspeed, Inc

Stand C23

Stand Personnel:

Wolfspeed, is a vertically integrated manufacturer of SiC materials and semiconductors. Wolfspeed's innovative product families include power-switching devices as well as GaN-on-SiC and LDMOS RF devices targeted for telecom, military and aerospace applications. To learn more, visit wolfspeed.com.

4600 Silicon Dr Durham, NC 27703 USA

Email: info@wolfspeed.com

Website: www.wolfspeed.com/rf

WUPATEC

Stand C21

Stand Personnel: DELLIER, PLET, ABDELMALAK

Wupatec has unique IPs to significantly decrease the power consumption of wireless communication RF Front End (RFE). With the ever increasing need for broadband data (5G handset, 5G eMBB, Public Safety Network, Wifi 6 ...), the power hungry and narrow band Radio Front End amplifier is a major roadblock to finally unleash all of the benefits of true Software Defined Radio (SDR). Wupatec's unique IPs and RF design know-how, coupled with main stream GaN process delivers an ultra-compact and cost effective solution for 5G MIMO Antenna, with outstanding performances. Furthermore, the uniqueness of our broadband amplifiers supports the inter-bands carriers aggregation, corner stone of 5G.

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Würth Elektronik eiSos GmbH & Co. KG

Stand C26d

Stand Personnel: Jose Martos, Simone Pizzo, Michele Dintorni, Antonio Cavaleri, Alexey Stephanov Starikovich, Daniel Ott, Ashiro Chen Garcia, Robert Hartung

Würth Elektronik eiSos Group is a manufacturer of electronic and electromechanical components for the electronics industry and a technology company that spearheads pioneering electronic solutions. Würth Elektronik eiSos is one of the largest European manufacturers of passive components and is active in 50 countries. Production sites in Europe, Asia and North America supply a growing number of customers worldwide. The product range includes EMC components, inductors, transformers, RF components, varistors, capacitors, resistors, quartz crystals, oscillators, power modules, Wireless Power Transfer, LEDs, sensors, connectors, power supply elements, switches, pushbuttons, connection technology, fuse holders and solutions for wireless data transmission. The unrivaled service orientation of the company is characterized by the availability of all catalog components from stock without minimum order quantity, free samples and extensive support through technical sales staff and selection tools. Würth Elektronik is part of the Würth Group, the world market leader for assembly and fastening technology. The company employs 8,000 staff and generated sales of 1.09 Billion Euro in 2021.

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Y.TECH

Stand C18d

Stand Personnel: HONGJUN, SONG

Y-TECH is the leading company with business growth through diversification of the items and standing on the basis of 15 years' R&D system based on LTCC materials technique in the ceramic components market. We are doing our best to enter into customers' requirement and provide with the best service and satisfaction.

106-74, Gwahakdanji-ro, gangneung-si, Gangwon-do, 25440, Korea

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