2024 54th European Microwave Conference (EuMC 2024)

Paris, France
24-26 September 2024

Pages 1-544

IEEE Catalog Number: CFP24455-POD
ISBN: 979-8-3503-8589-2

Copyright © 2024, European Microwave Association (EuMA)
All Rights Reserved

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP24455-POD
ISBN (Print-On-Demand):	979-8-3503-8589-2
ISBN (Online):	978-2-87487-077-4

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

EuMW01 : EuMW/EuMC Opening Session

Chair: Guillaume Ducournau, Université de Lille, France
Co-Chair: Anthony Ghiotto, IMS (UMR 5218), France
10:30–12:45, Tuesday 24th September 2024, N01

EuMC 2024 Table of Contents

EuMC01 : Innovative Balun and Transition Structures and Applications

Chair: Jakub Sorocki, AGH UST, Poland
Co-Chair: Tarek Djerafi, INRS, Canada
08:30–10:10, Tuesday 24th September 2024, E04

EuMC02: High Efficiency RF Power Amplification Techniques

Chair: Zoya Popović, University of Colorado Boulder, USA
Co-Chair: Anding Zhu, University College Dublin, Ireland
08:30–10:10, Tuesday 24th September 2024, E06

EuMC 2024 Table of Contents

EuMC03: Active Circuits and Modules I

Chair: Thomas Musch, Ruhr-Universität Bochum, Germany
Co-Chair: Manos M. Tentzeris, Georgia Tech, USA
08:30–10:10, Tuesday 24th September 2024, E07

EuMC04 : Education in RF and Microwave

Chair: Mohamed Himdi, IETR (UMR 6164), France
Co-Chair: Simon Hemour, IMS (UMR 5218), France
13:50–15:30, Tuesday 24th September 2024, E03

EuMC 2024 Table of Contents

EuMC05 : Emerging Front-End Building Blocks

Chair: Etienne Perret, Université Grenoble Alpes, France
Co-Chair: Ilona Piekarz, AGH UST, Poland
13:50–15:30, Tuesday 24th September 2024, E04

EuMC06: New Integration and Tuning Technologies for Planar and Quasi-planar Filters

Chair: Julien Lintignat, XLIM (UMR 7252), France
Co-Chair: Jorge Daniel Martínez Perez, Universitat Politècnica de València, Spain
13:50–15:30, Tuesday 24th September 2024, E05

EuMC07: Non-planar Filters

Chair: Cristiano Tomassoni, Università di Perugia, Italy
Co-Chair: Raafat R. Mansour, University of Waterloo, Canada
13:50–15:30, Tuesday 24th September 2024, E06

EuMC08: Active Circuits and Modules II

Chair: Kamal K. Samanta, AMWT, UK
Co-Chair: Almudena Suárez Rodriguez, Universidad de Cantabria, Spain
13:50–15:30, Tuesday 24th September 2024, E07

EuMC09: Integrated Non-reciprocal Devices and Circuits for System Applications

Chair: Ke Wu, Polytechnique Montréal, Canada
Co-Chair: Tân-Phu Vuong, IMEP-LAHC (UMR 5130), France
16:10–17:50, Tuesday 24th September 2024, E04

EuMC10: Advanced Filter Synthesis and Design Methodologies

Chair: Eric Rius, Université de Brest, France
Co-Chair: Michael Höft, CAU, Germany
16:10–17:50, Tuesday 24th September 2024, E05

EuMC 2024 Table of Contents

EuMC11: Innovative and 3D printed passive components and filters

Chair: Miguel A.G. Laso, Universidad Pública de Navarra, Spain
Co-Chair: Giuseppe Macchiarella, Politecnico di Milano, Italy
16:10–17:50, Tuesday 24th September 2024, E06

EuMC12: Additive Manufacturing for 90 GHz and Above

Chair: Hjalti H. Sigmarsson, University of Oklahoma, USA
Co-Chair: Thomas Zwick, KIT, Germany
08:30–10:10, Wednesday 25th September 2024, E02

EuMC 2024 Table of Contents

EuMC13: RIS and Tunable Surfaces

Chair: Ferran Martín, Universitat Autònoma de Barcelona, Spain
Co-Chair: Alejandro Jiménez-Sáez, Technische Universität Darmstadt, Germany
08:30–10:10, Wednesday 25th September 2024, E03

EuMC14: Characterisation of RF Devices and Circuits

Chair: Denis Barataud, XLIM (UMR 7252), France
Co-Chair: Dominique Schreurs, KU Leuven, Belgium
08:30–10:10, Wednesday 25th September 2024, E05

EuMC 2024 Table of Contents

EuMC15: Innovative Antenna Designs for Radar and SatCom Applications

Chair: Thomas Fromentèze, XLIM (UMR 7252), France
Co-Chair: Steve Hang Wong, CityU, China
08:30–10:10, Wednesday 25th September 2024, E06

EuMC16: Backscattering Techniques and Solutions for Sensing and Identification

Chair: Jasmin Grosinger, Technische Universität Graz, Austria
Co-Chair: Simon Hemour, IMS (UMR 5218), France
08:30–10:10, Wednesday 25th September 2024, E07

EuMC 2024 Table of Contents

EuMC17: Microwave Sensing Techniques for Biomolecules to Tissues

Chair: Katia Grenier, LAAS-CNRS, France
Co-Chair: Francesca Apollonio, Università di Roma "La Sapienza", Italy
08:30–10:10, Wednesday 25th September 2024, E08

EuMC18: Antennas for Microwave and Millimeter-Wave Systems

Chair: Tuami Lasri, IEMN (UMR 8520), France
Co-Chair: Ilona Rolfes, Ruhr-Universität Bochum, Germany
08:30–10:10, Wednesday 25th September 2024, 741A

EuMC 2024 Table of Contents

EuMC19: Sustainability and Environmental Impact

Chair: Jean-Pierre Raskin, UCLouvain, Belgium
Co-Chair: Pierre Blondy, XLIM (UMR 7252), France
10:40–12:20, Wednesday 25th September 2024, E01

EuMC20: Versatility of 3D Printing Technologies for Microwave Devices

Chair: Rodica Ramer, UNSW, Australia
Co-Chair: Nicolas Delhote, XLIM (UMR 7252), France
10:40–12:20, Wednesday 25th September 2024, E02

EuMC 2024 Table of Contents

EuMC21: mm-Wave/THz Electromagnetic Surfaces

Chair: María García-Vigueras, IETR (UMR 6164), France
Co-Chair: Esteban Menargues, SWISSto12, Switzerland
10:40–12:20, Wednesday 25th September 2024, E03

EuMC22: High-Data Rate Millimeter-Wave and THz Communications

Chair: Akanksha Bhutani, KIT, Germany — Co-Chair: Robert B. Kohlhaas, Fraunhofer HHI, Germany
10:40–12:20, Wednesday 25th September 2024, E04

401 **120Gbit/s Aggregated Channel Transmission in the 600GHz Band Using Topological Waveguide**
A.S. Mohammed [1], G. Lévêque [1], E. Lebouvier [1], Y. Pennec [1], M. Faucher [1], A. Amo [2], Pascal Szriftgiser [2], T. Nagatsuma [3], Guillaume Ducournau [1]
[1] IEMN (UMR 8520), France; [2] PhLAM (UMR 8523), France; [3] Osaka University, Japan

405 **A 64-Element D-Band Transmit Phased-Array with Antenna-on-Chip for Beyond-5G Wireless Communications**
Toshihide Kuwabara, Koki Tanji, Noriaki Tawa, Shinji Hachiyama, Tomoya Kaneko, NEC, Japan

409 **A 57.6Gb/s D-Band Point-to-Point Link Based on Real Time Baseband Processors and Transmissive RIS**
J.L. González-Jiménez [1], A. Hamani [1], A. Siligaris [1], F. Foglia Manzillo [1], A. Clemente [1], Evangelos Pikasis [2], Dimitrios S. Kritharidis [2], E.D. Tsirbas [2], E.C. Loghis [2]
[1] CEA-Leti, France; [2] Intracom Telecom, Greece

413 **Aggregated 0.3Tbit/s Link Using Photonics-Transmitter and Micromachined Flat Array Antenna Over 315–410GHz**
Hadjer Nihel Khelil [1], Alexandre Renau [1], Pascal Szriftgiser [2], Yannick Roelens [1], Redha Kassi [1], Mohammed Zaknoune [1], Malek Zegaoui [1], Joachim Oberhammer [3], Guillaume Ducournau [1]
[1] IEMN (UMR 8520), France; [2] PhLAM (UMR 8523), France; [3] KTH, Sweden

417 **D-Band Data Interconnect Based on Polymer Microwave Fiber in SiGe HBT Technology**
Haojie Chang [1], Victor Torres [2], Sining An [3], Frida Strömbeck [1], Yu Yan [1], Herbert Zirath [1], Ioannis Papananos [4], Jonas Hansryd [3], Yinggang Li [5]
[1] Chalmers University of Technology, Sweden; [2] Anteral, Spain; [3] Ericsson, Sweden; [4] NTUA, Greece; [5] Shenzhen Technology University, China

EuMC 2024 Table of Contents

EuMC23: Characterisation of RF Material Properties

Chair: Xiaobang Shang, NPL, UK
Co-Chair: Stéphane Bila, XLIM (UMR 7252), France
10:40–12:20, Wednesday 25th September 2024, E05

421 **Contact Free Electrical Conductivity Characterization Probe Using a Microwave Dielectric Resonator**
Roua Djebbi [1], Nicolas Delhote [1], Serge Verdeyme [1], Olivier Tantot [1], Elodie Pereira [2], Laurence Boyer [2], Olivier Durand [2]
[1] XLIM (UMR 7252), France; [2] CTTC, France

425 **A Convenient Method for Measuring Permittivity Using the Slotted Rectangular Waveguide**
Yujie Liu, Changying Wan, Guobin Wan, Yingfan Wang, Limin Tu, Northwestern Polytechnical University, China

429 **Multiphysics Approach for Temperature-Dependent Microwave Material Characterization**
Baptiste Henriot [1], Jesse Allens Touoyem Talla [2], Olivier Tantot [1], Nicolas Delhote [1], Serge Verdeyme [1], Jaona Randrianalisoa [2], Thierry Duvaut [2], Michael Charles [3]
[1] XLIM (UMR 7252), France; [2] ITheMM (EA 7548), France; [3] CEA Le Ripault, France

433 **Millimeter-Wave Re-Entrant Cavity Resonator Sensor for Liquid Dielectric Metrology**
Ali M. Mohammed [1], Yi Wang [1], Talal Shaik [1], Stephen M. Hanham [2]
[1] University of Birmingham, UK; [2] Imperial College London, UK

437 **Package Material Characterization Using Multiline TRL Algorithm Up to 110GHz**
Robert Trieb, Andy Heinig, Fraunhofer IIS, Germany

EuMC24: Innovative Antenna Designs for Millimetre-Wave Wireless Applications

Chair: Diego Caratelli, Technische Universiteit Eindhoven, The Netherlands
Co-Chair: Laure Huitema, XLIM (UMR 7252), France
10:40–12:20, Wednesday 25th September 2024, E06

EuMC 2024 Table of Contents

EuMC25: Recent Advances in Rectifiers and Power Beaming Systems

Chair: Nuno Borges Carvalho, Instituto de Telecomunicações, Portugal
Co-Chair: Alessandra Costanzo, Università di Bologna, Italy
10:40–12:20, Wednesday 25th September 2024, E07

EuMC26: Biomedical Imaging and Diagnosis Systems

Chair: Ann Franchois, Ghent University, Belgium
Co-Chair: Simona Di Meo, Università di Pavia, Italy
10:40–12:20, Wednesday 25th September 2024, E08

EuMC 2024 Table of Contents

EuMC27: Millimeter-Wave Systems

Chair: Mark Bentum, Technische Universiteit Eindhoven, The Netherlands
Co-Chair: Tuami Lasri, IEMN (UMR 8520), France
10:40–12:20, Wednesday 25th September 2024, 741A

EuMC28: EuMC Poster 1

Chair: Tân-Phu Vuong, IMEP-LAHC (UMR 5130), France
10:40–12:20, Wednesday 25th September 2024, Exhibition Hall

EuMC28 continues next page…

EuMC28 continued…

EuMC28 continues next page…

EuMC28 continued...

EuMC 2024 Table of Contents

EuMC29: Interconnects and Packaging

Chair: Yinggang Li, Shenzhen Technology University, China
Co-Chair: Ilona Piekarz, AGH UST, Poland
13:50–15:30, Wednesday 25th September 2024, E02

EuMC30: Metasurfaces I

Chair: María García-Vigueras, IETR (UMR 6164), France
Co-Chair: Guido Valerio, Sorbonne Université, France
13:50–15:30, Wednesday 25th September 2024, E03

EuMC 2024 Table of Contents

EuMC31: Sources and Photonic Methods for THz and sub-THz Devices

Chair: Guillaume Ducournau, Université de Lille, France
Co-Chair: Joachim Oberhammer, KTH, Sweden
13:50–15:30, Wednesday 25th September 2024, E04

EuMC31 continues next page…

EuMC31 continued...

EuMC 2024 Table of Contents

EuMC32: Terahertz Permittivity Measurements

Chair: Vincent Laur, Lab-STICC (UMR 6285), France
Co-Chair: Xiaobang Shang, NPL, UK
13:50–15:30, Wednesday 25th September 2024, E05

EuMC33: Innovative Array Antenna Systems

Chair: Mohamed Himdi, IETR (UMR 6164), France
Co-Chair: Daniel Segovia-Vargas, Universidad Carlos III de Madrid, Spain
13:50–15:30, Wednesday 25th September 2024, E06

EuMC 2024 Table of Contents

EuMC34: Wireless Power Technologies for Near-Field Applications

Chair: Alessandra Costanzo, Università di Bologna, Italy
Co-Chair: Nuno Borges Carvalho, Instituto de Telecomunicações, Portugal
13:50–15:30, Wednesday 25th September 2024, E07

EuMC35: Advances in Radar Antennas Design and Characterisation

Chair: Alexander G. Yarovoy, Technische Universiteit Delft, The Netherlands
Co-Chair: Kamil Yavuz Kapusuz, Ghent University, Belgium
13:50–15:30, Wednesday 25th September 2024, 741A

692 **Scalable Space-Efficient Antenna Array Techniques Using Convolved Electric and Magnetic Currents**
Amirhossein Askarian[1], Pascal Burasa[1], Jianping Yao[2], Zhenguo Lu[3], Ke Wu[1]
[1]Polytechnique Montréal, Canada; [2]University of Ottawa, Canada; [3]NRC, Canada

696 **Dual-Polarized On-Chip Patch Antenna with Increased Bandwidth for mm-Wave Radar Systems**
Benedikt Sievert[1], Jonathan Bott[2], Nils Pohl[2], Daniel Erni[3], Andreas Rennings[3]
[1]Fraunhofer FHR, Germany; [2]Ruhr-Universität Bochum, Germany; [3]Universität Duisburg-Essen, Germany

700 **A DDMA TX Channel Characterization for MIMO Radar Systems**
Simon Heining[1], Reinhard Feger[1], Christoph Wagner[2], Andreas Stelzer[1]
[1]Johannes Kepler Universität Linz, Austria; [2]Silicon Austria Labs, Austria

704 **RX Characterization of mmWave Antenna Arrays Using an Active Probe Array Structure**
Martin Obermaier[1], Johannes Lange[2], Thomas Deckert[2], Marc Vanden Bossche[3], Dirk Plettemeier[1]
[1]Technische Universität Dresden, Germany; [2]National Instruments, Germany; [3]National Instruments, Belgium

708 **Efficient 2-D Array Calibration of Radar Sensors in the Near Field by Modal Wave Expansion**
Matthias Linder, Robin Bord, Dominik Schwarz, Nico Riese, Christian Waldschmidt, Universität Ulm, Germany

EuMC 2024 Table of Contents

EuMC36: EuMC Poster 2

Chair: Baudouin Martineau, CEA-Leti, France
13:50–15:30, Wednesday 25th September 2024, Exhibition Hall

712 **A Theoretical Model Based on Image Theory to Model Scattering from Metasurfaces**
Amirmasood Bagheri, Seyed Ehsan Hosseininejad, Pei Xiao, Mohsen Khalily, University of Surrey, UK

716 **Tunable Metasurface Based on Crossed Strip Gratings Consisting of Nonreciprocal Materials**
Vladimir V. Yachin[1], Vyacheslav V. Khardikov[2], Liudmyla A. Kochetova[1], Sergiy L. Prosvirnin[1]
[1]NASU, Ukraine; [2]V.N. Karazin Kharkiv National University, Ukraine

720 **Dynamical Changes Non-Reciprocal Bistability in a Metasurface with a Nonlinear Element on Wood's Anomaly Resonances**
Liudmyla A. Kochetova, Vladimir V. Yachin, Sergiy L. Prosvirnin, NASU, Ukraine

724 **Layering it All: Stripline-to-Waveguide Transitions for Corrugated Horns at W-Band**
Sonja Nozinic, Adam Rämer, Eugen Dischke, Thomas Flisgen, Wolfgang Heinrich, Viktor Krozer, FBH, Germany

728 **Development of a Planar LTCC GRIN Lens for 60GHz Open-Ended Waveguide Antenna**
Martin Ihle[1], Birgit Manhica[1], Kamil Trzebiatowski[2], Weronika Kalista[2], Lukasz Kulas[2], Krzysztof Nyka[2]
[1]Fraunhofer IKTS, Germany; [2]Gdansk University of Technology, Poland

732 **Additively Manufactured Phase-Shifted Antenna Array Model in V-Band**
J. Shi[1], V. Akula[2], F. Bachbauer[1], S. Pietschmann[1], H. Maune[2], Gerald Gold[1]
[1]FAU Erlangen-Nürnberg, Germany; [2]OvG Universität Magdeburg, Germany

EuMC36 continues next page…

EuMC36 continued...

EuMC 2024 Table of Contents

EuMC37: Emerging Materials and Integration Technologies for RF and mm-Wave

Chair: Leonor Genthon, Thales, France
Co-Chair: Gerald Gold, FAU Erlangen-Nürnberg, Germany
16:10–17:50, Wednesday 25th September 2024, E02

EuMC38: Metasurfaces II

Chair: Ferran Martín, Universitat Autònoma de Barcelona, Spain
Co-Chair: Vahid Nayyeri, IUST, Iran
16:10–17:50, Wednesday 25th September 2024, E03

EuMC 2024 Table of Contents

EuMC39: THz and sub-THz Antennas and Devices

Chair: Antonio Clemente, CEA-Leti, France
Co-Chair: Alexandre Siligaris, CEA-Leti, France
16:10–17:50, Wednesday 25th September 2024, E04

EuMC40: Terahertz Characterisation Measurements

Chair: Nick Ridler, NPL, UK
Co-Chair: Sylvain Bollaert, IEMN, France
16:10–17:50, Wednesday 25th September 2024, E05

EuMC 2024 Table of Contents

EuMC41: Array Antennas — Synthesis and Implementation

Chair: Dirk Heberling, RWTH Aachen University, Germany
Co-Chair: Ioan E. Lager, Technische Universiteit Delft, The Netherlands
16:10–17:50, Wednesday 25th September 2024, E06

EuMC42 : Efficient Energy Harvesting and Identification Solutions

Chair: Simon Hemour, IMS (UMR 5218), France
Co-Chair: Jasmin Grosinger, Technische Universität Graz, Austria
16:10–17:50, Wednesday 25th September 2024, E07

EuMC 2024 Table of Contents

EuMC43 : Integrated Antennas for Beyond 5G Communication Systems

Chair: Bart Smolders, Technische Universiteit Eindhoven, The Netherlands
Co-Chair: Langis Roy, Ontario Tech University, Canada
16:10–17:50, Wednesday 25th September 2024, 741A

EuMC44: Electromagnetic Theory, Modeling, and Numerical Techniques

Chair: Alessandro Galli, Università di Roma "La Sapienza", Italy
Co-Chair: Francisco Mesa, Universidad de Sevilla, Spain
08:30–10:10, Thursday 26th September 2024, E01

EuMC 2024 Table of Contents

EuMC45: Microwave Sensing Systems

Chair: Kamran Ghorbani, RMIT University, Australia
Co-Chair: Holger Maune, OvG Universität Magdeburg, Germany
08:30–10:10, Thursday 26th September 2024, E02

EuMC46: Advanced Measurement Techniques for Characterizing S-parameters and Noise

Chair: Manoj Stanley, NPL, UK
Co-Chair: Yasser Qaragoez, KU Leuven , Belgium
08:30–10:10, Thursday 26th September 2024, E05

EuMC 2024 Table of Contents

EuMC47: Optimization by Artificial Intelligence and Machine Learning

Chair: Luca Perregrini, Università di Pavia, Italy
Co-Chair: Guy A.E. Vandenbosch, KU Leuven, Belgium
10:40–12:20, Thursday 26th September 2024, E01

EuMC48: Active and Passive Remote Sensing Systems

Chair: Qiaowei Yuan, Tohoku Institute of Technology, Japan
Co-Chair: Lorenzo Silvestri, Università di Pavia, Italy
10:40–12:20, Thursday 26th September 2024, E02

EuMC49: Design and Optimization of Advanced Microwave and Terahertz Devices

Chair: Christian Damm, Universität Ulm, Germany
Co-Chair: Alessandro Galli, Università di Roma "La Sapienza", Italy
13:50–15:30, Thursday 26th September 2024, E01

EuMC50 : EuMC Closing Session

Chair: Anthony Ghiotto, IMS (UMR 5218), France
Co-Chair: Pierre Blondy, XLIM (UMR 7252), France
16:10–17:50, Thursday 26th September 2024, N01

(NA) **Session Welcome**
Anthony Ghiotto [1], Pierre Blondy [2]
[1] EuMC 2024 Chair; [2] EuMC 2024 TPC Chair

(NA) **The Unprecedented Wave of Change in Satellite Communication**
Didier Le Boulc'h, Thales, France

(NA) **SWISSto12's Additive Manufacturing: From Early Days to 3D Printed-Based Satellite Payloads**
Esteban Menargues, SWISSto12, Switzerland

(NA) **Awards Ceremony**
Olivier Lafond, EuMW 2024 Awards Chair

(NA) **Closing Remarks**
Guillaume Ducournau, EuMW 2024 General Chair

EuMIC/EuMC01 : EuMIC/EuMC Poster

Chair: Anne-Laure Billabert, CNAM, France
13:50–15:30, Tuesday 24th September 2024, Exhibition Hall

1026 **A Low-Loss 220GHz – 325GHz Marchand Balun in 65nm CMOS Technology**
Anyi Tian, Chenxin Liu, Hiroyuki Sakai, Kazuaki Kunihiro, Atsushi Shirane, Kenichi Okada, Tokyo Tech, Japan

1030 **Cooling of GaN-On-Si Transistors Using Integrated Micromachined Channels**
Benjamin Prat [1], Arnaud Pothier [1], Olivier Vendier [2], Kateryna Kiryukhina [3], Olivier Puig [3], Pierre Blondy [1]
[1] XLIM (UMR 7252), France; [2] Thales, France; [3] CNES, France

1034 **Demonstration of CVD Diamond Heat Spreaders for Performance Improvement of a 400W AlGaN/GaN S-Band Power Amplifier MMIC**
Marc van Heijningen [1], Frans Meeuwsen [2], Edsger Smits [2], Ian Friel [3]
[1] TNO, The Netherlands; [2] CITC, The Netherlands; [3] Element Six, UK

1038 **W-Band GaAs LNA Chip Set for Space Telecommunications**
Pratik D. Deshpande [1], Thomas Moody [1], Jim Mayock [1], David Cuadrado-Calle [2], Mark Howard [3]
[1] Viper RF, UK; [2] ESA-ESTEC, The Netherlands; [3] Spectrum Control, UK

1042 **Single-Ended and Balanced Frequency Doublers 2.45 to 4.9GHz Using GaN FETs**
Ainhoa Morales-Fernandez [1], Maria Marante-Boado [1], Pedro Toimil-Cornado [1], Monica Fernandez-Barciela [1], Fernando Martin-Rodriguez [1], Paul J. Tasker [2]
[1] Universidade de Vigo, Spain; [2] Cardiff University, UK

EuMIC/EuMC01 continues next page…

EuMIC/EuMC01 continued...

EuMIC/EuMC01 continues next page...

EuMIC/EuMC01 continued...

EuMC/EuRAD01 : Antenna Arrays

Chair: Mario Pauli, KIT, Germany
Co-Chair: Benjamin Nuss, KIT, Germany
10:40–12:20, Thursday 26th September 2024, E04

EuMC 2024 Table of Contents

EuMC/EuRAD02 : EuMC/EuRAD Poster

Chair: Olivier Lafond, IETR (UMR 6164), France
10:40–12:20, Thursday 26th September 2024, Exhibition Hall

EuMC/EuRAD02 continues next page…

EuMC/EuRAD02 continued...