

# ECPE Calendar of Events



Date	Location	Event	Topic
7 - 8 Feb. 2024	Lausanne, Switzerland	<b>ECPE Hybrid Workshop</b>	<b>RT-HIL Testing of Power Electronics Converter and Drives Systems</b> Technical Chair: Prof. D. Dujic (EPFL), T. Roesch (Opal-RT)
20 - 21 Feb. 2024	Hannover, Germany	<b>ECPE Tutorial</b>	<b>Reliability of Power Electronics - Part 2: Robustness and System Reliability</b> Technical Chair: Prof. H. Wang (Aalborg University), O. Wittler (Fraunhofer IZM)
12 - 14 March 2024	Düsseldorf, Germany	<b>Conference &amp; ECPE Annual Event</b>	<b>CIPS 2024 – 13<sup>th</sup> International Conference on Integrated Power Electronic Systems</b>
19 - 20 March 2024	Bordeaux, France	<b>ECPE Tutorial</b>	<b>Gate Drivers and Control Circuitry for IGBTs and MOSFETs</b> Technical Chair: Prof. M. Pfof (TU Dortmund)
20 - 21 March 2024	<b>Fully booked</b>	<b>ECPE/Cluster Tutorial</b>	<b>Testing and Electrical Characterization of Power Semiconductor Devices</b> Technical Chair: Prof. I. Kalfass (University of Stuttgart)
23 - 24 April 2024	Padova, Italy	<b>ECPE Tutorial</b>	<b>Passives in Power Electronics: Magnetic Component Design and Simulation</b> Technical Chair: Prof. G. Hurley (Nat. Univ. of Ireland), Prof. Z. Ouyang (TU Denmark)
14 - 15 May 2024	Toulouse, France	<b>ECPE Tutorial</b>	<b>EMC in Power Electronics</b> Technical Chair: Prof. E. Hoene (Fraunhofer IZM), Prof. J.-L. Schanen (G2ELab)
27 - 31 May 2024	Gaeta, Italy	<b>Recruitment Event with Industry Day</b>	<b>24<sup>th</sup> European PhD School on 'Power Electronics, Electrical Machines, Energy Control and Power Systems'</b>   Chairman: Prof. G. Tomasso (University of Cassino)
11 - 13 June 2024	Nuremberg, Germany	<b>Conference &amp; Exhibition</b>	<b>PCIM Europe 2024</b> <b>ECPE Joint Stand with Students Day</b>
20 - 21 June 2024	<b>Fully booked</b>	<b>ECPE Lab Course</b>	<b>EMC Optimised Design (Parasitics in Power Electronics)</b> Course Instructor: Prof. E. Hoene (Fraunhofer IZM)
24 - 25 June 2024	Lyngby Denmark	<b>ECPE Tutorial</b>	<b>Corrosion in Power Electronics</b> Technical Chair: Prof. R. Ambat (DTU), Dr. M. Meier (Zestron)
27 - 28 June 2024	Bilbao, Spain	<b>ECPE Hybrid Workshop</b>	<b>Condition &amp; Health Monitoring in Power Electronics</b> Technical Chair: Prof. F. Iannuzzo (Aalborg University), Dr. S. Mollov (Infineon Technologies Austria), Dr. W. Wondrak
2 - 3 July 2024	Erlangen, Germany	<b>ECPE/Cluster Tutorial</b>	<b>Thermal Engineering of Power Electronic Systems – Part 1 (thermal design and verification)</b>   Technical Chair: Prof. U. Scheuermann (FAU Erlangen-Nürnberg)
8 - 9 July 2024	Pilsen, Czech Republic	<b>ECPE/Cluster-Tutorial</b>	<b>Model Predictive Control for Power Electronics, Drives and Power Grid Applications</b> Technical Chair: Prof. R. Kennel (TU München), Dr. T. Geyer (ABB)
2 Sept.	Darmstadt, Germany	<b>ECPE Workshop</b>	<b>Sustainability Energy Supply to Reach Net-Zero CO<sub>2</sub> Emissions by 2050</b>
2 - 6 Sept. 2024	Darmstadt, Germany	<b>Conference &amp; Exhibition</b>	<b>ECCE Europe 2024 - Energy Conversion Congress &amp; Expo</b>
10 Sept. 2024	Nuremberg, Germany	<b>ECPE/Cluster Tutorial</b>	<b>Use and Assessment of Power Device Models in Power Electronics Simulation</b> Technical Chair: Dr. P. Türkes (Consultant Compact Power Devices Models)
17 - 18 Sept. 2024	Valencia, Spain	<b>ECPE Tutorial</b>	<b>Insulation Polymers for Power Electronics: Failure Mechanisms, Preventive Measures, Testing Strategies</b> Technical Chair: Prof. A. Claudi (University of Kassel)
18 - 19 Sept. 2024	Barcelona, Spain	<b>ECPE Hybrid Tutorial</b>	<b>Introduction to Power Electronics</b> Technical Chair: H.-P. Feustel (ECPE), Prof. W.-T. Franke (Danfoss Drives)
23 - 26 Sept. 2024	Parma, Italy	<b>Conference</b>	<b>ESREF 2024 – 35<sup>th</sup> European Symposium on Reliability of Electron Devices, Failure Physics and Analysis</b>
24 - 25 Sept. 2024	Ingolstadt, Germany	<b>ECPE Hybrid Workshop</b>	<b>Sinter Interconnections in Power Electronics</b> Technical Chair: Prof. T. Huesgen (HS Kempten), Dr. J. Rudzki (Semikron Danfoss), Dr. H. Schweigart (Zestron)
24 - 25 Sept. 2024	Online	<b>ECPE Tutorial</b>	<b>Power Electronics Packaging</b> Technical Chair: Prof. U. Scheuermann (FAU Erlangen-Nürnberg),
9 - 10 Oct. 2024	Hanau, Germany	<b>ECPE Hybrid Workshop</b>	<b>Materials Innovations for Advanced Power Packaging – Substrate, Interconnection and Encapsulation</b> Technical Chair: K.-F. Becker (Fraunhofer IZM), S. Idaka (Mitsubishi Electric)
15 - 16 Oct. 2024	Munich, Germany	<b>ECPE Tutorial</b>	<b>Isolation Coordination</b> Technical Chair: Dr. I. Colak (Schneider Electric)
23 - 24 Oct. 2024	Catania, Italy	<b>ECPE Tutorial</b>	<b>Wide Bandgap User Training - SiC-based Power Electronics</b> Technical Chair: Prof. E. Hoene (Fraunhofer IZM)
6 - 7 Nov. 2024	Erlangen, Germany	<b>ECPE/Cluster Tutorial</b>	<b>Thermal Engineering of Power Electronic Systems - Part 2 (thermal management and reliability)</b>   Technical Chair: Prof. U. Scheuermann (FAU Erlangen-Nürnberg)
13 - 14 Nov. 2024	Prague, Czech Republic	<b>ECPE Tutorial</b>	<b>Power Circuits for Clean Switching and Low Losses</b> Technical Chair: Dr. R. Bayerer (Physics of Power Electronics)
19 - 20 Nov. 2024	Cambridge, United Kingdom	<b>ECPE Tutorial</b>	<b>Wide Bandgap User Training - GaN-based Power Electronics</b> Technical Chair: Dr. J. Sonsky (Innoscence)
20 - 21 Nov. 2024	Vienna, Austria	<b>ECPE Tutorial</b>	<b>Testing Automotive Power Modules acc. to the ECPE Guideline AQG 324</b> Technical Chair: Dr. M. Rittner (Robert Bosch)
26 - 27 Nov. 2024	Grenoble, France	<b>ECPE Hybrid Workshop</b>	<b>Eco-Design Approach in Power Electronics (Sustainability/Circular Economy in PE)</b> Technical Chair: Prof. J.-L. Schanen (U Grenoble), Prof. C. Minke (TU Clausthal), Prof. J.W. Kolar, Dr. J. Huber (ETH Zurich)
4 - 5 Dec. 2024	Turin, Italy	<b>ECPE Tutorial</b>	<b>Reliability of Power Electronics - Part 1: Fundamentals and Converter Reliability</b> Technical Chair: O. Wittler (Fraunhofer IZM)
29 - 30 Jan. 2025	Freiburg, Germany	<b>ECPE Hybrid Workshop E</b>	<b>Medium Voltage Power Electronics</b> Technical Chairs: Prof. J.W. Kolar (ETH Zurich), Dr. F. Canales (ABB), D. Kranzer (Fraunhofer ISE), Prof. L. Lorenz (ECPE)

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