

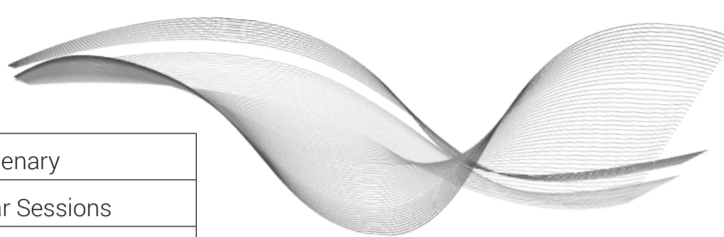


# Preliminary Schedule at a Glance

## VIRTUAL CONFERENCE

### International Symposium on Electromagnetic Compatibility

September 23-25, 2020



#### Legenda

	Plenary
	Regular Sessions
	On-demand
	Special Sessions
	Focus Events

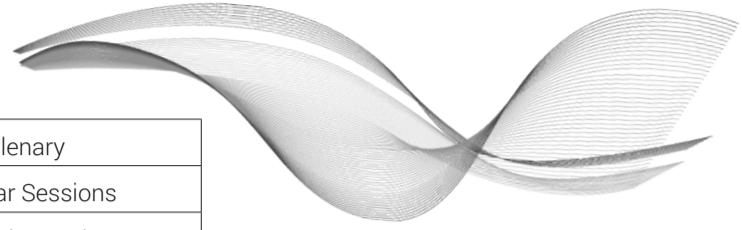
10/09/2020

## Wednesday, 23 September 2020

8:00 am 9:00 am	<b>Plenary 1: Plenary Open Session</b> <i>Location: AUDITORIUM</i> Chair: Mauro Feliziani Chair: Maria Sabrina Sarto Welcome Address Keynote Speaker: Akimasa Hirata, Nagoya Institute of Technology, Japan, "Human Exposure Standards and Compliance Assessment– 5G and Beyond"			
	<b>ROOM 1</b>	<b>ROOM 2</b>	<b>ROOM 3</b>	<b>ROOM 4</b>
9:00 am 10:00 am	<b>TS01: EMC in Emerging Fields</b> <i>Location: ROOM 1</i> Chair: Richard Xian-Ke Gao Chair: Ming Ye	<b>TS02: Components, Packaging &amp; Integration</b> <i>Location: ROOM 2</i> Chair: Alistair Duffy Chair: Osami Wada	<b>SS01: Exposure Assessment at Frequencies Above 6 GHz – Towards 5G Applications</b> <i>Location: ROOM 3</i> Chair: Valerio De Santis Chair: Masao Taki	<b>TU01: How to Write a Good Paper on IEEE T-EMC</b> <i>Location: ROOM 4</i> Chair: Heyno Garbe Chair: Tzong-Lin Wu <ul style="list-style-type: none"> <li>General Concepts for Writing an Article for IEEE Journal Publication, <a href="#">Tzong-Lin Wu</a></li> <li>How to Avoid Mistakes and Conflicts with IEEE Publication Rules, <a href="#">Heyno Garbe</a></li> </ul>
10:00 am 10:30 pm	<b>B01: Break</b>			
10:30 am 12:30 pm	<b>TS03: Shielding, Absorbing &amp; Gasketing</b> <i>Location: ROOM 1</i> Chair: Mark Mifsud Chair: Salvatore Celozzi	<b>TS04: ESD</b> <i>Location: ROOM 2</i> Chair: Stefan Dickmann Chair: Zbigniew Joskiewicz	<b>SS02: Conducted and Low Frequency EMI in Smart Cities</b> <i>Location: ROOM 3</i> Chair: David Thomas Chair: Robert Smolenski	<b>WS01.I: Automotive - Part I</b> <i>Location: ROOM 4</i> Chair: Marco Klingler <ul style="list-style-type: none"> <li>Analysis of Resonances of the Electrical Architecture of a Vehicle due to the Network of Shielded Links and 0V Wires, <a href="#">Marco Klingler</a></li> <li>EMC Simulation of Power-Train System Within the Car, Antea Perrotta, Flavio Calvano and Frederic Bocquet</li> <li>Characterization and Mitigation of the Magnetic Field Produced by an Automotive Wireless Power Transfer System, <a href="#">Tommaso Campi</a>, Silvano Cruciani, Francesca Maradei, Mauro Feliziani</li> <li>Simulation-Based Investigation of Possible Cavity Mode Excitation by a Stripline Antenna in a Vehicle EMC Chamber, <a href="#">Alastair Ruddle</a></li> </ul>
12:30 am 1:30 pm	<b>B02: Lunch</b> 12:40 - 12:50 Sponsor Presentation <b>EMC PARTNER AG</b>			
1:30 pm 3:30 pm	<b>TS05: Transmission Lines &amp; Cables I</b> <i>Location: ROOM 1</i> Chair: Rodolfo Araneo Chair: Farhad Rachidi	<b>TS06: Low Frequency EMC, Power Systems &amp; Power Quality</b> <i>Location: ROOM 2</i> Chair: Flavia Grassi Chair: Anne Roc'h	<b>SS03.I: Risk-Based EMC - Part I</b> <i>Location: ROOM 3</i> Chair: Frank Leferink Chair: Davy Pisssoort	<b>WS01.II: Automotive - Part II</b> <i>Location: ROOM 4</i> Chair: Marco Klingler <ul style="list-style-type: none"> <li>Emission Prediction of Automotive Ethernet Communication Cables Using Design Exploration and Machine Learning, Christoph Mäurer, Markus Schick</li> <li>Isotropic field probes in reverberation chambers or what is my field strength, <a href="#">Martin Aidam</a></li> <li>Novel 3D PEEC-Based Approach to EM/ EMC Simulation of Large Scale Complex PCB Modules for Automotive Applications, Alexander Demurov, Giga Gabriadze, George Chiqovani, Anna Gheonjian, Roman Jobava</li> </ul>
3:30 pm 4:00 pm	<b>B03: Break</b> Sponsor Presentation <b>EMCOS</b>			
4:00 pm 6:00 pm	<b>TS07: Computational Electromagnetics, Modeling &amp; Simulation I</b> <i>Location: ROOM 1</i> Chair: Lionel Pichon Chair: Giulio Antonini	<b>TS08: Measurement &amp; Instrumentations I</b> <i>Location: ROOM 2</i> Chair: Valter Mariani Primiani Chair: Jan Luiken ter Haseborg	<b>SS03.II: Risk-Based EMC - Part II</b> <i>Location: ROOM 3</i> Chair: Frank Leferink Chair: Davy Pisssoort	<b>F01: Industrial Forum - EMC Challenges on Aerospace in the Next Decade</b> <i>Location: ROOM 4</i> Chair: Emiliano Scione
	<b>ON DEMAND</b>			
On-Demand Sessions	<b>OD01: Shielding, Absorbing &amp; Gasketing</b> <i>Location: ON-DEMAND</i>	<b>OD02: Transmission Lines &amp; Cables</b> <i>Location: ON-DEMAND</i>	<b>OD03: Computational Electromagnetics, Modeling &amp; Simulation</b> <i>Location: ON-DEMAND</i>	<b>OD04: Lightning</b> <i>Location: ON-DEMAND</i>






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### Legenda

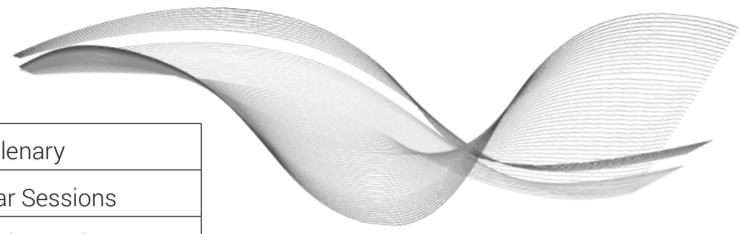
	Plenary
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## Thursday, 24 September 2020

	ROOM 1	ROOM 2	ROOM 3	ROOM 4
8:00 am 10:00 am	<p><u><a href="#">APEMC Invited Session</a></u>  <b>APEMC Special Session: the Evolving Technologies and new challenges in EMC</b>  <i>Location: ROOM 1</i>            Chair: Erping Li            Chair: Richard Xian-Ke Gao</p>	<p><b>TS09: Measurement &amp; Instrumentations II</b>  <i>Location: ROOM 2</i>            Chair: Ferran Silva            Chair: Fabrizio Marra</p>	<p><b>SS04: Recent Progress in Human Exposure Assessment</b>  <i>Location: ROOM 3</i>            Chair: Akimasa Hirata            Chair: Ilkaa Laakso</p>	<p><b>F02: Discussion Forum: Reverberation Chambers at the Edge of Chaos</b>  <i>Location: ROOM 4</i>            Chair: Ramiro Serra            Chair: Gabriele Gradoni</p>
10:00 am 10:30 am	<p><b>B04: Break</b> 10:10 - 10:25   Sponsor Presentation  <b>ANSYS ITALIA SRL</b></p>			
10:30 am 12:30 pm	<p><b>TS10: Automotive I</b>  <i>Location: ROOM 1</i>            Chair: Carlo Carobbi            Chair: Stephan Frei</p>	<p><b>TS11: System Level EMC</b>  <i>Location: ROOM 2</i>            Chair: Frank Leferink            Chair: Alessio Tamburrano</p>	<p><b>TS12: Intentional EMI, EMP &amp; High Power Electromagnetics</b>  <i>Location: ROOM 3</i>            Chair: Heyno Garbe            Chair: Tadeusz Wieckowski</p>	<p><b>TU2: EMC for Emergent Wireless Systems</b>  <i>Location: ROOM 4</i>            Chair: Davy Pissoot  <ul style="list-style-type: none"> <li>Short Introduction on the CORNET EEWISE Project, <a href="#">David Pissoot</a></li> <li>EMC Assessment Using Near-Field Scanning and Simulation Techniques, <a href="#">David Schroeder</a></li> <li>Implementation of Shielding Approaches in System-in-Package Configurations, <a href="#">Marco Rossi</a></li> <li>Software Defined Radios, an EMI Debugging Tool?, <a href="#">Tim Claeys</a></li> <li>Robust Communication in Autonomous Electric Cars – An Example considering Automotive Ethernet and Bluetooth Low Energy, <a href="#">Christian Hangmann</a></li> </ul> </p>
12:30 am 1:30 pm	<p><b>B05: Lunch</b> 12:40 - 12:50   Sponsor Presentation  <b>EMC PARTNER AG</b></p>			
1:30 pm 3:30 pm	<p><b>TS13: Automotive II</b>  <i>Location: ROOM 1</i>            Chair: Jan Carlsson            Chair: Bernd Deutschmann</p>	<p><b>SS05: Electromagnetic Eavesdropping (TEMPEST)</b>  <i>Location: ROOM 2</i>            Chair: Gilles Peres            Chair: Frank Sabath</p>	<p><b>SS06.I: Stochastic Methods in Electromagnetic Compatibility - Part I</b>  <i>Location: ROOM 3</i>            Chair: Valter Mariani Primiani            Chair: Gabriele Gradoni</p>	<p><b>WS02.I: Conducted EMI and Power Quality Issues in Power Distribution Networks - Part I</b>  <i>Location: ROOM 4</i>            Chair: Daria Nemashkalo            Chair: Lu Wan  <ul style="list-style-type: none"> <li>European Research Projects SCENT and ETOPIA on Conducted and Low Frequency EMC, <a href="#">Frank Leferink</a></li> <li>Aggregated Conducted Electromagnetic Interference Generated by Photovoltaic Power Station, <a href="#">Robert Smolenski</a></li> <li>Multi-Channel Time-Domain EMI Measurements in Modern Systems, <a href="#">Niek Moonen</a></li> </ul> </p>
3:30 pm 4:00 pm	<p><b>B06: Break</b> 3:40 - 3:55    Sponsor Presentation  <b>NARDA SAFETY TEST SOLUTIONS</b></p>			
4:00 pm 6:00 pm	<p><b>TS14: Computational Electromagnetics, Modeling &amp; Simulation II</b>  <i>Location: ROOM 1</i>            Chair: John Dawson            Chair: Silvano Cruciani</p>	<p><b>TU03: Using Reverberation Chambers for EMI Testing</b>  <i>Location: ROOM 2</i>            Chair: Frank Leferink  <ul style="list-style-type: none"> <li>Introduction – Rationale for RC Testing; Overview of Reverberation Chamber Theory, <a href="#">Vignesh Rajamani</a></li> <li>Aircraft Quality Factor Measurement Approach for the Evaluation and Prototyping of Wireless Systems Onboard Aircraft, <a href="#">Dennis Lewis</a></li> <li>Flexible testing: shaken, not stirred, <a href="#">Frank Leferink</a></li> </ul> </p>	<p><b>SS06.II: Stochastic Methods in Electromagnetic Compatibility - Part II</b>  <i>Location: ROOM 3</i>            Chair: Valter Mariani Primiani            Chair: Gabriele Gradoni</p>	<p><b>WS02.II: Conducted EMI and Power Quality Issues in Power Distribution Networks - Part II</b>  <i>Location: ROOM 4</i>            Chair: Daria Nemashkalo            Chair: Lu Wan  <ul style="list-style-type: none"> <li>Unresolved Issues Regarding EMC Between Communication Circuits and Power Systems in the Frequency Range 2-150 kHz, <a href="#">Dave Thomas</a></li> <li>Challenges in the Modelling of Power Electronics Modules Onboard Electric Vehicles, <a href="#">Flavia Grassi</a></li> <li>Power Quality Due to SMPS's and PV Installations, <a href="#">Cees Keyser</a></li> </ul> </p>
<b>ON DEMAND</b>				
On-Demand Sessions	<p><b>OD05: Measurements &amp; Instrumentation</b>  <i>Location: ON-DEMAND</i></p>	<p><b>OD06: Automotive</b>  <i>Location: ON-DEMAND</i></p>	<p><b>OD07: System Level EMC</b>  <i>Location: ON-DEMAND</i></p>	<p><b>OD08: SS-APEMC: New Aspects on Digital Communication and EMC</b>  <i>Location: ON-DEMAND</i></p>





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### Legenda

	Plenary
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## Friday, 25 September 2020

	ROOM 1	ROOM 2	ROOM 3	ROOM 4
8:00 am 10:00 am	<b>TS15: Transmission Lines &amp; Cables II</b> <i>Location: ROOM 1</i> Chair: Pierre Degauque Chair: Alessandro Giuseppe D'Aloia	<b>TS16: Power Electronics</b> <i>Location: ROOM 2</i> Chair: Franco Fiori Chair: Umberto Paoletti	<b>SS07: EMC and EMF Issues in Wireless Power Transfer System</b> <i>Location: ROOM 3</i> Chair: Seungyoung Ahn Chair: Tommaso Campi	<b>WS03: High Intensity Radiated Field Environments ...</b> <i>Location: ROOM 4</i> Chair: Jeffrey Viel <ul style="list-style-type: none"> <li>Aircraft Protection Against High Intensity Radiated Field (HIRF), <a href="#">Jeffrey Viel</a></li> <li>Aircraft Protection Against Lightning, <a href="#">Andy Plumber</a></li> </ul>
10:00 am 10:30 am	<b>B07: Break</b> 10:10 - 10:25 Sponsor Presentation  <b>TECNOLAB</b>			
10:30 am 12:30 pm	<b>TS17: Computational Electromagnetics, Modeling &amp; Simulation III</b> <i>Location: ROOM 1</i> Chair: Frank Gronwald Chair: Wen Yan Yin	<b>TS18: Electromagnetic Environment</b> <i>Location: ROOM 2</i> Chair: Kia Wiklundh Chair: Marc Pous	<b>TS19: PCBs, Signal Integrity &amp; Power Integrity</b> <i>Location: ROOM 3</i> Chair: Mohamed Ramdani Chair: Tzong-Lin Wu	<b>F03: Discussion Forum EMC and Education</b> <i>Location: ROOM 4</i> Chair: Ramiro Serra Chair: Davy Pisssoort
12:30 am 1:30 pm	<b>B08: Lunch</b>			
1:30 pm 3:30 pm	<b>TS20: Measurement &amp; Instrumentations III</b> <i>Location: ROOM 1</i> Chair: Andy Marvin Chair: Giovanni De Bellis	<b>SS08: EMC Diagnostics of Complex Systems</b> <i>Location: ROOM 2</i> Chair: Vladimir Mordachev Chair: Riccardo Trincherò	<b>SS09.I: EMI analysis in Power Applications - Part I</b> <i>Location: ROOM 3</i> Chair: David Thomas	<b>WS04: Electric Powertrain Conducted and Radiated Emissions Simulation</b> <i>Location: ROOM 4</i> Chair: Flavio Calvano <ul style="list-style-type: none"> <li>PCB parasitics extraction with Ansys HFSS and Slwave, <a href="#">Flavio Calvano</a></li> <li>IGBT Power modules, busbar, magnetic components simulation with Ansys Maxwell and Q3D, <a href="#">Antea Perrotta</a></li> <li>Cable Harness simulation with Ansys EMA 3D Cable, <a href="#">Frederic Bocquet</a></li> <li>Electric Powertrain system conducted and radiated emissions simulation, <a href="#">Flavio Calvano</a></li> </ul>
3:30 pm 4:00 pm	<b>B09: Break</b>  3:40 - 3:55 Sponsor Presentation <b>EMC PARTNER AG</b>			
4:00 pm 5:00 pm	<b>TS21: Chambers &amp; Cells</b> <i>Location: ROOM 1</i> Chair: Philippe Besnier Chair: Christopher Holloway	<b>TS22: EMC in Railway Transport Systems</b> <i>Location: ROOM 2</i> Chair: Alexander van Deursen Chair: Tetiana Serdiuk	<b>SS09.II: EMI analysis in Power Applications - Part II</b> <i>Location: ROOM 3</i> Chair: David Thomas Chair: Petre-Marian Nicolae	<b>WS05: Comparing Emission Measurements</b> <i>Location: ROOM 4</i> Chair: Michele Zingarelli <ul style="list-style-type: none"> <li>Comparing Emission Measurements Performed by a Spectrum Analyzer with EMC Functions vs. Pre and Full Compliant Receivers, According to CISPR 16-1-1 Assessments for EMI Measuring Equipment, <a href="#">Michele Zingarelli</a></li> </ul>
5:00 pm 6:00 pm	<b>Plenary 2: Closing Plenary Session</b> <i>Location: AUDITORIUM</i> Chair: Mauro Feliziani Chair: Maria Sabrina Sarto Round Table on "EMC Virtual Conferences: Present and Future" Moderator: <a href="#">Marcello D'Amore</a> Award Ceremony Presentation of 2021 EMC conferences Concluding Remarks			
<b>ON DEMAND</b>				
On-Demand Sessions	<b>OD09: Power Electronics</b> <i>Location: ON-DEMAND</i>	<b>OD10: Electromagnetic Environment</b> <i>Location: ON-DEMAND</i>	<b>OD11: PCBs, Signal Integrity &amp; Power Integrity, Filters</b> <i>Location: ON-DEMAND</i>	<b>OD12: SS - EMC Diagnostics of Complex Systems</b> <i>Location: ON-DEMAND</i>

## Contacts

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