

Program

Wednesday, June 29, 2022

	Welcome / Keynote Session Moderator: Ulf Schlichtmann (edacentrum, D)
9:00	Welcome Ulf Schlichtmann (edacentrum, D)
9:05	AI Automation to Democratize AI for a better Society – an Inspiration from Electronic Design Automation Jinjun Xiong (University at Buffalo, US)
	Technical Session 1: “Trustworthy Electronic” Moderator: Peter Schneider (Fraunhofer-IIS/EAS, D)
9:45	Designing Trust into Electronics: Requirements and Solution Approaches Roland Jancke (Fraunhofer-IIS/EAS, D)
10:05	Designing Secure Circuits Using Reconfigurable Transistors Shubham Rai (TU Dresden, D)
10:25	Realization of Heterogeneous Systems with Chiplet Approach Steffen Paul (U Bremen, D)
10:45	Security Module - Evaluating the Limits of an Open-Source EDA Tool Chain? Norbert Herfurth (IHP, D)
11:05	Q&A Peter Schneider (Fraunhofer-IIS/EAS, D)
11:15	Coffee Break
	Technical Session 2: “Sustainable AI - AI for Sustainability” Moderator: Frank Oppenheimer (OFFIS, D)
11:45	AI on Embedded Devices: Sustainable, Mobile, Small, Near-Machine - but is it Truly fit for the Real World? Jörg Walter (OFFIS, D)
12:15	Sustainable AI - Leverage Points in a Semiconductor Company Markus Schnell (Infineon, D)
13:45	Q&A Frank Oppenheimer (OFFIS, D)
13:15	Lunch
14:00	Postersession
	Technical Session 3: “Medical Devices” Moderator: Armand Castillejo (STMicroelectronics, F)
15:30	Cybersecurity in Connected Medical Devices Derek Hill (PANORAMIC DIGITAL HEALTH, F)
15:50	Security of Embedded Artificial Intelligence for Connected Health: a Complex Attack Surface Kevin Hector (CEA, FR), Raphaël Joud (CEA, FR)
16:10	FHIR Profiling and Binary Optimization for IoT and Smart Home Devices Pilar Sala (MYSPHERA, ES)
16:30	Developments of Wearable Devices CEA-Leti: from Cutting-edge Sensors to Clinically Validated Systems Olivier Fuchs (CEA Leti, F)
16:50	Q&A Armand Castillejo (STMicroelectronics, F)
	Panel Session Moderator: Carlo Reita (CEA LETI, F)
17:00	Future European Strategy for Future Microelectronics Patrick Bressler (Fraunhofer, D) Jyrki Kiihamaki (VTT, FI) Anne Van den Bosch (IMEC, BE) tbc: Francisco J. Ibáñez (European Commission, BE)
18:00	Break
	Social Event (Location: Restaurant “Alte Meister”, Theaterplatz 1a, 01067 Dresden)
19:00	Welcome and Award of EDA Medal 2022
19:30	Dinner
22:00	End of 1st day

Program Chairs

ADTC

Ahmed Jerraya (CEA-Tech, F)
Gilles Sicard (CEA-LETI, F)

edaWorkshop22 Ulf Schlichtmann (edacentrum, D)

Thursday, June 30, 2022

	Keynote Session Moderator: Gilles Sicard (CEA-LETI, F)
9:00	Trusted Computing Assets and Challenges as by Today and Tomorrow Towards a Cybersecured World Bernard Candaele (Thales, F)
9:30	KDT Program Presentation Yves Gigase (Head of KDT programs, BE)
10:00	Coffee Break
	Technical Session 4: “Industrial Electronics” Moderator: Thomas Heurung (Siemens EDA, D)
10:30	Challenges in Industrial Power Module Design: Requirements for a Seamless Flow from Concept to Production Felix Zeyß (Siemens, D)
10:55	Supply Chain Resilience Starts at the Point of Design Thomas Heurung (Siemens EDA, D), Sascha Bütterling (Supplyframe, D)
11:20	Addressing the Need for Earlier Design Analysis and Decisions in the Age of Industrial 5G Rocco Gruschwitz (Siemens EDA, D)
11:45	Q&A Thomas Heurung (Siemens EDA, D)
12:00	Lunch
	Technical Session 5: “IPCEI” Moderator: Marcello Coppola (STMicroelectronics, F)
13:00	Ceremony of EDA Achievement Award 2022
13:15	From IPCEI 1 to IPCEI 2 on Microelectronics: 5 Times more Impact in 5 Years Dominique Thomas (STMicroelectronics, F)
13:35	From IPCEI to EU Chips Act: The Efficacy of new European Instruments Jens Drews (Globalfoundries, D)
13:55	Bosch 300mm – AIOT Semiconductor Fab Sarah Fischbach (Bosch, D)
14:15	Globalfoundries Technology Solutions in the Context of European Sovereignty in Microelectronics Maciej Wiatr (Globalfoundries, D)
14:35	Q&A Marcello Coppola (STMicroelectronics, F)
14:45	Break
	Technical Session 6: “Sustainability and Eco-Design” Moderator: Wolfgang Nebel (edacentrum, D)
14:55	The Journey towards Green and Carbon Neutral Electronics – Carbon Accounting, Ecodesign and Policy Trends Harald Pötter (Fraunhofer IZM, D)
15:20	Sustainable Sensors for Massively Distributed Monitoring Applications Luca Roselli (U Perugia, IT)
15:45	Q&A Wolfgang Nebel (edacentrum, D)
15:50	Closing Remarks Wolfgang Nebel (edacentrum, D)
15:55	Coffee & Farewell
16:15	End of ADTC & edaWorkshop22

Access to the program online:
[www.edacentrum.de/en/events/
edaworkshop/2022/program](http://www.edacentrum.de/en/events/edaworkshop/2022/program)

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