

AUGUST 22th
Monday

AUGUST 23th
Tuesday

AUGUST 24th
Wednesday

AUGUST 25th
Thursday

AUGUST 26th
Friday

Tutorial Day

09:00-09:40 Invited Talks
SBMicro
Adelmo Ortiz-Conde
(Univ. Simon Bolivar/Venezuela)

09:00-09:40 Invited Talks
SBMicro
Xu Gao
(Soochow University/China)

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| 09:00-10:20 Tutorials | SBCCI Wen-Hsiao Peng (NCTU/Taiwan) | SBMicro Francesca Iacopi (UTS/Australia) |
| 10:20-10:40 Break | Break | |
| 10:40-12:00 Tutorials | SBCCI Christian Pilato (Polimi/Italy) | SBMicro Deji Akinwande (UTexas/USA) |
| 12:00-13:40 Lunch Break | Lunch Break | |
| 13:40-15:00 Tutorials | SBCCI Kevin Yu Cao (Arizona State University/USA) | SBMicro Elena Gnani (UNIBO/Italy) |
| 15:00-15:20 Break | Break | |
| 15:20-16:40 Tutorials | SBCCI Partha Pratim Pande (Washington State University/USA) | SBMicro Andreas Kerber (INTEL/USA) |
| 16:40-17:00 Break | Break | |
| 17:00-19:00 SBMicro Assembly | SBMicro Assembly | |

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| 10:00-10:40 Opening Session | Opening Session | |
| 10:40-11:00 Break | Break | |
| 11:00-12:20 Keynote | Keynote Massimo Alioto (NUS/Singapore) Green Technologies for Intelligent and Connected Circuits & Systems Powered by Renewable Energy Sources | |
| 12:20-14:00 Lunch Break | Lunch Break | |
| 14:00-14:40 Invited Talks | SBCCI Benoit Gosselin (Université Laval/Canada) | SBMicro Stephen Goodnick (Arizona State University/USA) |
| 14:40-16:00 SBCCI Data Converters | SBMicro Circuit/Device Interaction 1 | WCAS IoT Student Contest |
| 16:00-16:20 Break | Break | |
| 16:20-17:40 SBCCI SPECIAL SESSION on Low-power IoT Circuits | SBMicro Photovoltaics and Optoelectronics 1 | WCAS Inovação em IoT 1 |
| 17:40-18:00 Break | Break | |
| 18:00-19:00 Panel | Panel Formação de Talentos (in portuguese) | |
| 19:00-19:20 Break | Break | |
| 19:20 CA-ME Meeting | CA-ME Meeting | |

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| 09:00-10:40 SBCCI Digital Circuits and Applications 1 | Invited Talks SBMicro Photovoltaics and Optoelectronics 2 | INSCIT Session 1 |
| 10:40-11:00 Break | Break | |
| 11:00-12:20 Keynote | Keynote Ben Kaczer (IMEC/Belgium) Reliability of VLSI technologies: impediment and opportunity | |
| 12:20-13:40 Lunch Break | Lunch Break | |
| 13:40-14:00 Cadence Sponsor Presentation | Cadence Sponsor Presentation Marcelo Silva | |
| 14:00-14:40 Invited Talks | SBCCI Yiyu Shi (University of Notre Dame/USA) | SBMicro Joao Martino (Escola Politécnica da USP/Brazil) |
| 14:40-16:00 SBCCI Digital Circuits and Applications 2 | SBMicro Circuit/Device Interaction 2 | WCAS IoT Student Contest |
| 16:00-16:20 Break | Break | |
| 16:20-17:40 SBCCI 5 Analog Design | SBMicro Device Characterization, Modeling and Simulation 1 | WCAS Inovação em IoT 2 |
| 17:40-18:00 Break | Break | |
| 18:00-19:00 Panel | Panel International Industry (in english) | |
| 19:00-19:20 Break | Break | |
| 19:20 Gaúcho Music Concert | Social Event Gaúcho Music Concert | |

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| 09:00-10:40 SBCCI SoC, NoC and Reconfigurable Systems | Invited Talks SBMicro Device Characterization, Modeling and Simulation 2 | SFORUM Devices | INSCIT Session 2 |
| 10:40-11:00 Break | Break | | |
| 11:00-12:20 Keynote | Keynote Iole Moccagatta (INTEL/USA) State of Video Codecs: AV1 and VVC algorithms and deployment | | |
| 12:20-14:00 Lunch Break | Lunch Break | | |
| 14:00-14:40 Invited Talks | SBCCI Evangelina Young (Chinese University of Hong Kong/China) | SBMicro Marcelo Pavanello (Centro Universitário FEI/Brazil) | |
| 14:40-16:00 SBCCI Reliability by Design | SBMicro Novel Materials and Devices 1 | WCAS Analog Circuits and RF Applications | SFORUM Analog & RF Design 1 |
| 16:00-16:20 Break | Break | | |
| 16:20-17:40 SBCCI Emerging Approaches for Digital Design | SBMicro NEMS, MEMS, Packaging and Processing 1 | WCAS EDA and Test | SFORUM Analog & RF Design 2 |
| 17:40-18:00 Break | Break | | |
| 18:00-19:00 Panel | Panel P&D&I Microeletrônica (in portuguese) | | |
| 19:00-19:20 Break | Break | | |
| 19:20 Student Gathering | Social Event Student Gathering | | |

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| 09:00-10:40 SBCCI Video Coding | SBMicro NEMS, MEMS, Packaging and Processing 2 | SFORUM Applications | INSCIT Session 3 |
| 10:40-11:00 Break | Break | | |
| 11:00-12:20 Keynote | Keynote Alan Mishchenko (University of California, Berkeley/USA) Towards Next Generation Logic Synthesis and Verification | | |
| 12:20-13:40 Lunch Break | Lunch Break | | |
| 13:40-14:00 Synopsys Sponsor Presentation | Synopsys Sponsor Presentation Gerardo Leon | | |
| 14:00-14:40 Invited Talks | SBCCI Jari Nurmi (Tampere University /Finland) | SBMicro Jacobus Swart (FEEC Unicamp /Brazil) | |
| 14:40-16:00 SBCCI SPECIAL SESSION on Embedded and IoT Architectures | SBMicro Device Characterization, Modeling and Simulation 3 | SFORUM CAD | |
| 16:00-16:20 Break | Break | | |
| 16:20-17:40 SBCCI Heuristics and Learning-Based Circuits and Systems | WCAS Panel: Design in Post Pandemic Home Office | SFORUM Best Papers | INSCIT Session 4 |
| 17:40-18:00 Break | Break | | |
| 18:00-19:00 Closing & Awards | Closing & Awards | | |

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