



SCEE 2020 Schedule of Conference Eindhoven, February 16-20, 2020

Sunday, February 16, 2020:

Afternoon: possibly workshops by COMSOL and/or CST

18.00-20.30: Registration, reception with drinks and light meal

From 19.00-19.45: entertaining overview lecture by renowned scientist

Monday, February 17, 2020:

09.00-09.10: Opening ceremony

09.10-09.55: INVITED: Jasmin Smajic (ETH Zürich), "Numerical Analysis of Electromagnetic Transients in Power Devices"

09.55-10.20: Giovanni Nastasi and Vittorio Romano, "Simulations of a novel DG-GFET"

10.20-10.45: Yun-Ming Lee, Meng-Hua Hu, Chieh-Yang Chen, Min-Hui Chuang, Yiming Li², and Jong-Shinn Wu, "A New Parallel Scientific Computational Platform – ultraMPP and Its Application in Device Modeling"

10.45-11.15: COFFEE BREAK

11.15-11.40: Yiming Li, Ping-Hsun Su, Chieh-Yang Chen, Min-Hui Chuang, Ya-Shu Yang, and Cheng-Che Liu, "Simulation-based multi-objective evolutionary algorithm for device and circuit design optimization"

11.40-12.05: Maximilian Neuner, Inga Abel, and Helmut Graeb, "Constraint Programming in Two Tasks of Analog Design Automation"

12.05-12.30: Idoia Cortes Garcia, Sebastian Schöps, Christian Strohm, and Caren Tischendorf, "Generalised elements for the analysis of refined models in circuits"

12.30-13.45: LUNCH

13.45-14.10: E1

14.10-14.35: E2

14.35-15.00: E3

15.00-15.25: E4

15.25-15.55: COFFEE BREAK

15.55-16.20: M1
16.20-16.45: M2
16.45-17.10: M3
17.10-17.35: M4

17.45-18.45: ROMSOC special session

Tuesday, February 18, 2020:

09.00-09.45: INVITED: Romanus Dyczij-Edlinger, “...”

09.45-10.10: E5

10.10-10.25: E6

10.25-10.50: E7

10.50-11.20: COFFEE BREAK

Special session, chairman Kristof Cools

11.20-11.45: L. Rahmouni, M. Monin, A. Merlini, and F.P. Andriulli, “On Some Recent Advances in Integral Equation Strategies for High Resolution Electroencephalography”

11.45-12.10: M. Gossye, D. Dobbeleare, D. Vande Ginste, H. Rogier, “Novel Calderón Preconditioners for the Poincaré-Steklov Operator”

12.10-12.35: K. Cools, A. Dely and F.P. Andriulli, “A Dense Mesh Stable Impedance Boundary Condition MFIE”

12.35-13.45: LUNCH

AFTERNOON: EXCURSIONS

18.00-21.00: CONFERENCE DINNER

Wednesday, February 19, 2020:

09.00-09.45: R. Janssen, S. Kapora, M. Hanssen, W. Heuvelman, Y. Xu, M. Versleijen, and M. Azimane, “Electromagnetic Simulation Challenges in the Semiconductor Industry”

09.45-10.30: Industry talk ASML

10.30-11.00: COFFEE BREAK

11.00-11.45: Industry talk Bosch by Stefan Kurz

Special session chaired By Sebastian Schöps

11.45-12.10: D. Bast, I. Kulchytska-Ruchka, S. Schöps, and Oliver Rain, “Parallel-in-Time Simulation of Induction Machines in an Industrial Environment”

12.10-12.35: L. Giussani, L. Di Rienzo, M. Bechis, and C. de Falco, "Efficient Modeling of Three-core Submarine Power Cables"

12.35-13.45: LUNCH

Special session chaired by Sebastian Schöps (cont'd)

13.45-14.10: M. Arrinda, A. Bermúdez, D. Gómez, M. Oyarbide, and P. Venegas, "State of charge estimation of batteries using Preisach hysteresis model"

14.10-14.35: C. Lenz, A. Scharinger, A. Hössinger, and J. Weinbub, "A Novel Surface Mesh Coarsening Method for Flux-Dependent Topography Simulations of Semiconductor Fabrication Processes"

14.35-15.00: L. Heltai and W. Lei, "An HDG approximation for the Ginzburg-Landau-Devonshire Model"

15.00-15.25: D. Peschka, N. Rotundo, and M. Thomas, "Doping optimization for semiconductor lasers"

15.25-15.55: COFFEE BREAK

15.55-16.30: POSTER BLITZ

16.30-17.45: POSTER SESSION

17.45-18.30: INVITED: Liliana Borcea, "Reduced order model approach for inverse scattering"

18.30-22.00: MEETING OF SCEE SC AND PC INCLUDING DINNER

Thursday, February 20, 2020:

09.00-09.45: INVITED: Slawomir Koziel, "Forward and Inverse Surrogate Modeling for Accelerated Design Optimization of High-Frequency Structures"

09.45-10.10: E8

10.10-10.35: E9

10.35-11.05: COFFEE BREAK

11.05-11.30: M5

11.30-11.55: M6

11.55-12.20: M7

12.20-12.45: M8

12.45-12.50: Closing of conference

12.50-14.00: LUNCH

14.00-17.00: ECMI SIG MSOEE meeting