

Arbeitskreis Modellierung von Systemen und Parameterextraktion
Modeling of Systems and Parameter Extraction Working Group
16th International MOS-AK Workshop
Silicon Valley, December 13, 2023

Enabling Compact Modeling R&D Exchange

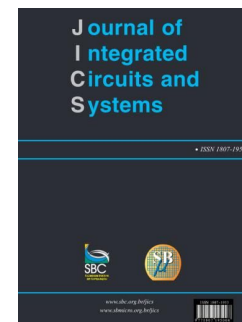
Technical Program Cosponsors



Host and Lead Sponsor



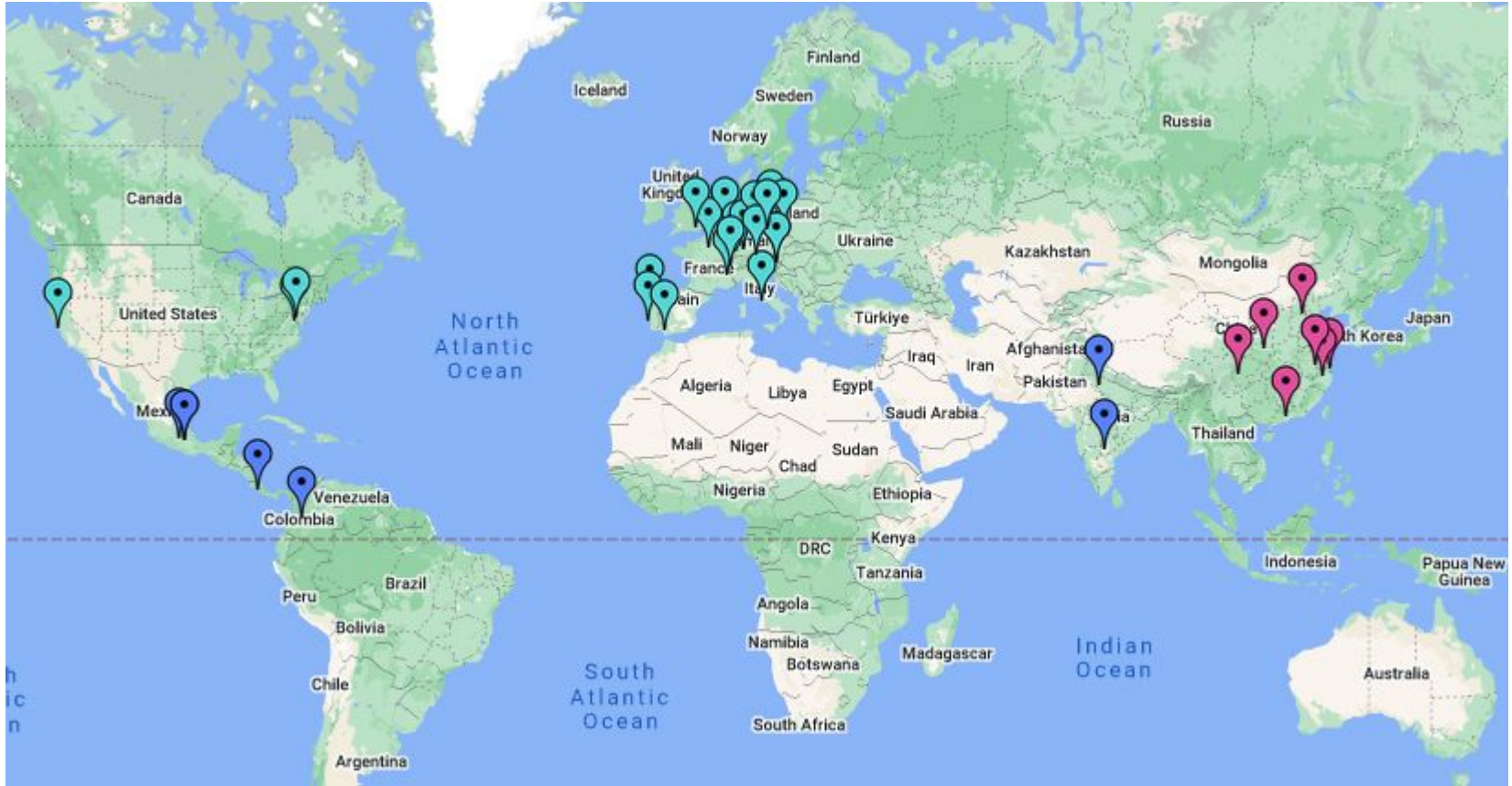
Santa Clara Valley-San Francisco Chapter



Publishing Partner



Over two decades of MOS-AK in brief





Over two decades of MOS-AK in brief

20 subsequent MOS-AK modeling workshops and
6 consecutive TRACKs: Compact Modeling
at ESSDERC/ESSCIRC Conferences

30+ international MOS-AK modeling workshops
in Europe, USA, Latin America, India, China

20+ Special compact modeling sessions
at MIXDES Conference

50+ active sponsors and technical program promoters

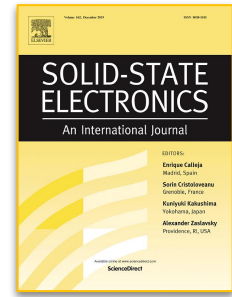
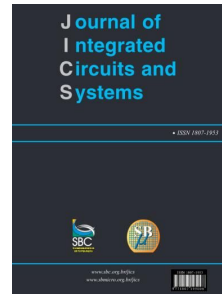
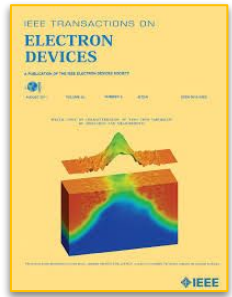
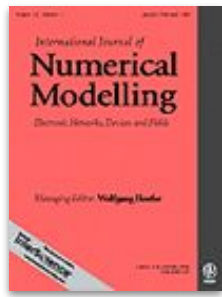
450+ MOS-AK technical CM papers and posters
(available online www.mos-ak.org)

5 modeling MOS-AK modeling books

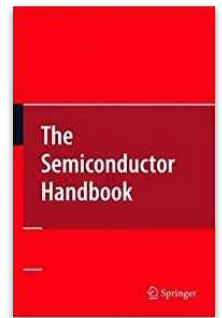
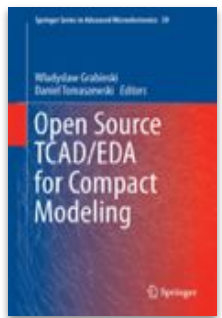
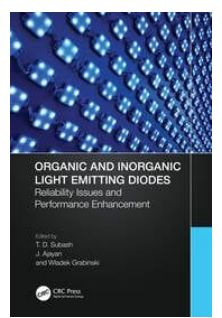
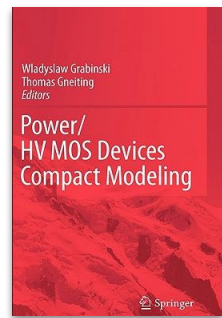
<http://www.mos-ak.org/books/>



MOS-AK Scientific Publications



Special Compact Modeling Issues



Compact/SPICE Modeling Books



TRACK3: Compact Modeling and Process/Device Simulation (since Leuven 2017)



A call for Building Talent and Skills

To conclude

A call for

- System-Technology Co-Optimisation
- Pilot Lines and design platforms for advanced & mature nodes innovation
- Focus on Sustainable innovation
- Building Talent and Skills

full-stack innovation partnerships

© 2023 IEEE International Solid State Circuits Conference EU Chips Act drives pan-European full-stack innovation partnerships 47



[REF] EU Chips Act Drives Pan-European Full-Stack Innovation Partnerships
Plenary Session at ISSCC, FEB.20, 2023
Jo De Boeck, Executive VP and CSO, imec & KU Leuven, Belgium





MOS-AK: 2024 Events

- FOSDEM
Bruxelles (BE) Feb. 3-4, 2024
- MOS-AK/EDTM
Bangalore (IN) March 3-6, 2024
- 6th MOS-AK/LADEC
Guatemala City (GT) May 8-10, 2024
- Special CM Session, MIXDES
Gdańsk (PL) June 27-29, 2024
- 8th Sino MOS-AK Workshop
(CN), August 2024
- 21st MOS-AK at ESSERC
Bruges (BE) Sept. 9-12, 2024
- 17th MOS-AK
Silicon Valley, Dec. 2024