



UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

IWR SCHOOL

ON HARDWARE-AWARE SCIENTIFIC COMPUTING

The school is jointly organized with the Indo-German Partnerships in Higher Education (IGP) Programme and will be a hybrid event with live sessions at both places and streaming to offsite participants.

Topics

- Aspects of modern processor architectures
- Programming models and accelerator programming
- Scalable methods for solving partial differential equations (PDEs)
- Optimal control of PDEs
- Large-scale Bayesian inference and data assimilation
- Energy-aware numerical methods

Speakers

- Konduri Aditya, Indian Institute of Science, Bangalore
- Peter Bastian, Heidelberg University
- Praveen Chandrashekar, TIFR Centre For Applicable Mathematics, Bangalore
- Sashikumar Ganesan, Indian Institute of Science, Bangalore
- Roland Herzog, Heidelberg University
- Vincent Heuveline, Heidelberg University
- Guido Kanschat, Heidelberg University
- Phani Motamarri, Indian Institute of Science, Bangalore
- Dirk Pleiter, KTH Royal Institute of Technology, Stockholm
- Robert Scheichl, Heidelberg University
- Deepak Subramani, Indian Institute of Science, Bangalore
- Jakob Zech, Heidelberg University



October 4–15, 2021

Heidelberg University, Germany & Indian Institute of Science (IISc), Bangalore

Apply online: www.iwr.uni-heidelberg.de/events/iwr-school-2021