

## TOPICS OF THE EURO-PAR 2019

PLEASE NOTE: **3 NEW TOPICS AT EURO-PAR 2019**

### Topic 1 **Support Tools and Environments**

Global Chair: João M.P. Cardoso, University of Porto  
Local Chair: Michael Gerndt, Technical University of Munich

### Topic 2 **Performance and Power Modeling, Prediction and Evaluation**

Global Chair: Guangming Tan, Chinese Academy of Sciences, Institute of Computing Technology  
Local Chair: Andreas Knüpfer, Technische Universität Dresden

### Topic 3 **Scheduling and Load Balancing**

Global Chair: Andrei Tchernykh, CICESE Centro de Investigación Científica y de Educación Superior de Ensenada  
Local Chair: Sascha Hunold, TU Vienna

### Topic 4 **High Performance Architectures and Compilers**

Global Chair: Pedro Petersen Moura Trancoso, Chalmers University of Technology, Sweden  
Local Chair: Matthias Müller, RWTH Aachen

### Topic 5 **NEW Data Management, Analytics and Deep Learning**

Global Chair: Alexandru Iosup, Vrije Universiteit Amsterdam  
Local Chair: Morris Riedel, Jülich Supercomputing Centre

### Topic 6 **Cluster and Cloud Computing**

Global Chair: Anne-Cécile Orgerie, CNRS, IRISA, Rennes, France  
Local Chair: Uwe Schwiegelshohn, Technische Universität Dortmund

### Topic 7 **Distributed Systems and Algorithms**

Global Chair: Dick Epema, Delft University of Technology  
Local Chair: Franz-Josef Pfreundt, Fraunhofer Institute for Industrial Mathematics

### Topic 8 **Parallel and Distributed Programming, Interfaces, and Languages**

Global Chair: Mitsuhsa Sato, RIKEN Centre for Computational Science, Japan  
Local Chair: Christian Simmendinger, T-Systems, Stuttgart

### Topic 9 **Multicore and Manycore Parallelism**

Global Chair: Barbara Chapman, Stony Brook University, New York  
Local Chair: Guido Juckeland, Helmholtz-Zentrum Dresden-Rossendorf

### Topic 10 **Theory and Algorithms for Parallel Computation and Networking**

Global Chair: Frédéric Vivien, Inria, Le Chesnay, France  
Local Chair: Henning Meyerhenke, Humboldt-Universität zu Berlin

### Topic 11 **Parallel Numerical Methods and Applications**

Global Chair: Daniel Kressner, École polytechnique fédérale de Lausanne  
Local Chair: Cornelia Grabe, DLR German Aerospace Center, Institute of Aerodynamics and Flow Technology Göttingen

### Topic 12 **Accelerator Computing**

Global Chair: Raphael Y. de Camargo, Federal University of ABC, Brasil  
Local Chair: Christian Plessl, Paderborn University

### Topic 13 **NEW Algorithms and Systems for Bioinformatics**

Global Chair: Folker Meyer, Argonne National Laboratory Chicago  
Local Chair: Alexander Sczyrba, University of Bielefeld

### Topic 14 **NEW Algorithms and Systems for Digital Humanities**

Global Chair: Iryna Gurevych, Technische Universität Darmstadt  
Local Chair: Marco Büchler, Leibniz Institute of European History Mainz