

EGPGV 2023

23rd Eurographics Symposium on Parallel Graphics and Visualization

Leipzig, Germany

June 12, 2023

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Postfach 2926, 38629 Goslar, Germany

Published by the Eurographics Association
–Postfach 2926, 38629 Goslar, Germany–
in cooperation with
Institute of Computer Graphics & Knowledge Visualization at Graz University of Technology
and
Fraunhofer IGD (Fraunhofer Institute for Computer Graphics Research), Darmstadt

ISBN 978-3-03868-215-8

ISSN 1727-348X

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Keynote

Gunther H. Weber

Short Biography

Gunther H. Weber received a Ph.D. in computer science, with a focus on computer graphics and visualization, from the University of Kaiserslautern, Germany in 2003. He is currently a Staff Scientist in the Computational Research Division at the Lawrence Berkeley National Laboratory (LBNL), where he serves as Deputy Group Lead of the Machine Learning and Analytics Group in the Scientific Data Division. Gunther Weber is also an Adjunct Associate Professor of Computer Science at the University of California, Davis. His research interests include computer graphics, scientific visualization, data analysis with using topological methods, parallel and distributed computing for visualization and data analysis applications, hierarchical data representation methods, and bioinformatics. He has extensive experience in working with researchers from diverse science and engineering fields, including applied numerical computing, combustion simulation, gene expression, medicine, civil engineering, cosmology, climate and particle accelerator modeling. Dr. Weber has authored or co-authored over 100 publications, six of which won best paper awards. He has served as principal investigator (PI) or Co-PI on several Department of Energy (DOE) and National Science Foundation (NSF) projects. He is a reviewer for major funding agencies (DOE, NSF), conference proceedings and journals. Dr. Weber served as co-organizer, co-chair and program committee member of more than 60 internationally recognized conferences.