



WORKSHOP ON SOFTWARE AND APPLICATIONS OF NUMERICAL NONLINEAR ALGEBRA

SPEAKERS

TIMOTHY DUFF

GEORGIA INSTITUTE OF TECHNOLOGY

ALEXANDER HEATON

THE FIELDS INSTITUTE FOR MATHEMATICAL SCIENCES

JULIA LINDBERG

UNIVERSITY OF WISCONSIN-MADISON

MARGARET REGAN

DUKE UNIVERSITY

SCIENTIFIC ORGANIZERS

PAUL BREIDING

MPI FOR MATHEMATICS IN THE SCIENCES

TAYLOR BRYSIWICZ

MPI FOR MATHEMATICS IN THE SCIENCES

SIMON TELEN

MPI FOR MATHEMATICS IN THE SCIENCES

SASCHA TIMME

TECHNICAL UNIVERSITY BERLIN

ADMINISTRATIVE CONTACT

SASKIA GUTZSCHEBAUCH

MPI FOR MATHEMATICS IN THE SCIENCES

The link to the virtual event will be made
available via email to the registered
participants in due time.

Email: Saskia.Gutzschebauch@mis.mpg.de

Phone: +49 (0) 341 - 9959 - 752

May 31 – June 02, 2021

The topic of this workshop is solving systems of polynomial equations using numerical algorithms. The participants will learn to work with the software HomotopyContinuation.jl, so that they can use it for their own research problems. In addition, the workshop will feature a series of lectures on the theory of numerical homotopy continuation, as well as contributed talks by Timothy Duff, Alexander Heaton, Julia Lindberg and Margaret Regan.

ONLINE REGISTRATION VIA
WWW.MIS.MPG.DE/SANNA2021