

Session Program

1-2 Jul 2022



New Trends in Computational Science in Engineering and Industrial Mathematics

Scientific Program Friday

Toepffer-Villa (Magdeburg)

Friday 1 July

14:00

Scientific Program Friday: History

Session | **Location:** Toepffer-Villa (Magdeburg)

14:00–14:20

CSC history

Speaker

Peter Benner

14:40

14:20–14:40

SIAM Student Chapter of Magdeburg

Speakers

Harshit Kapadia, Yevgeniya Filanova

16:35

Scientific Program Friday: Numerical (Multi-)Linear Algebra

Session | **Location:** Toepffer-Villa (Magdeburg)

16:35–16:55

Self-conjugate linearizations of self conjugate transfer functions

Speaker

Paul Van Dooren

16:55–17:15

Prospects of tensor methods in numerical modeling of large bio-molecule systems

Speaker

Boris Khoromskij

17:15–17:35

From sets of linear to sets of polynomial equations

Speaker

Patrick Kürschner

17:35–17:55

Adaptive Cross Approximation for Ill-Posed Problems

Speaker

Thomas Mach

17:55–18:15

Ä Tännschen, please - Matrix operations at the core of modern Natural Language Processing in OpenGPT-X

Speaker

Carolin Penke

18:30