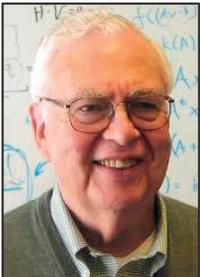


Gene Golub  
**g2s3** 2017  
SIAM Summer School

May 29-June 9, 2017  
Akademie Berlin-Schmöckwitz  
Germany

## Data Sparse Approximations and Algorithms



The eighth Gene Golub Summer School will take place at the Akademie Berlin-Schmöckwitz in Germany and will be held in conjunction with the 2017 SIAM Activity Group in Linear Algebra (SIAG/LA) International Summer School on Numerical Linear Algebra.

The summer school is intended for Master and PhD students in mathematics and related programs who would like to learn about the state-of-the-art in the area of data sparse approximations and algorithms.

The lecturers are

- Bernhard G. Bodmann, University of Houston, USA
- Lars Grasedyck, RWTH Aachen, Germany
- Serge Gratton, CERFACS, France
- Deanna Needell, Claremont McKenna College, USA

The courses will focus on the following topics:

- theory of sparse representation and approximation
- tensor based methods and computation
- algorithms for sparse numerical linear algebra
- sparsity in optimization



The school will be held in the spirit of Gene Golub, with lots of interactions between the lecturers and the participants. All courses will have a strong computational component. A poster session during the summer school will give participating students the opportunity to present their own work to the whole group.

The summer school is being organized by Gitta Kutyniok, Jörg Liesen, and Volker Mehrmann, all from the Institute of Mathematics, Technische Universität Berlin, Germany.

Applicants selected to participate pay no registration. Funding for local accommodations and meal expenses will be available for all participants. Limited travel funds are also available.

### Application deadline: February 1, 2017

As information is available on the courses and on how to apply, it will be posted at:  
<http://www.siam.org/students/g2s3/>

*Sponsored by SIAM through an endowment from the estate of Gene Golub.*

*For more information about prior summer schools and Professor Gene Golub go to <http://www.siam.org/students/g2s3/>*



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