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TECHNISCHE  
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Institute of  
Science and  
Technology  
Austria



Taming Complexity in  
Partial Differential Systems



Austrian  
Science Fund

## Vienna PDE Afternoon

17.05.2023 from 14:00 to 16:00

University of Vienna, Faculty of Mathematics, Oskar-Morgenstern-Platz 1

HS 2, ground floor (and online on Zoom)

From 14:00 to 14:45:

**Alex Rossi** (Universität Erlangen-Nürnberg, Germany)

*Introduction to kinetic theory and models for stochastic gradient descent*

Abstract: <https://sfb65.univie.ac.at/s/ly>

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From 15:00 to 15:30:

**Claudia Mußnig-Wytrzens** (University of Vienna)

*Coarse-graining of particle interactions via anisotropic repulsion potentials*

Abstract: <https://sfb65.univie.ac.at/s/lz>

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From 15:30 to 16:00:

**Björn Bahr** (TU Wien)

*Implementation of hp-FEM for the one-dimensional integral fractional Laplacian*

Abstract: <https://sfb65.univie.ac.at/s/ma>

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The seminars take place in hybrid form (in person and also on Zoom). The Zoom link is sent per email through the SFB Newsletter (normally sent either on Friday or during the weekend). You can subscribe to this newsletter at <https://sfb65.univie.ac.at/#!/public/news/newsletter/subscribe/>

Alternatively, if you are interested only in a given seminar, you could request a Zoom link by writing an email to [matteo.tommasini@univie.ac.at](mailto:matteo.tommasini@univie.ac.at) (please write your request from an institutional email address, so that we can minimize the risk of Zoombombing).