

DK CIM & DP DOCC at the Universität Innsbruck



Doctoral Programme Computational Interdisciplinary Modelling
DK CIM

In 2010 the DK CIM was initiated at the Universität Innsbruck within the framework of the Research Area Scientific Computing. The program provides substantiated research-guided and well-structured training for excellent Ph.D. students in the interdisciplinary field of computational modelling utilizing high performance computing, within the fields of atmospheric science, chemistry, computer science, material science, engineering science, mathematics and physics.

uibk.ac.at/dk-cim



Doctoral Programme Dynamics of Complex Continua
DP DOCC

The DP DOCC started 2019 and is a novel interdisciplinary EC H2020 Marie Skłodowska-Curie COFUND doctoral training programme for international high-potential early-stage researchers. Focusing on modelling and simulation in the intersectorally seminal fields of computational material, fluid and gas dynamics, it is rooted in basic, natural and engineering sciences at the Universität Innsbruck.

uibk.ac.at/projects/dp-docc

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Programme

of the

Winterschool 2020

Doctoral Programme Computational Interdisciplinary Modelling

welcoming the new members of the

Doctoral Programme Dynamics of Complex Continua

Monday, Feb. 3rd to Friday, Feb. 7th 2020

Universität Innsbruck & UZE Obergurgl
Tyrol, Austria



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 847476.



Funded by

Programme

Monday, Feb. 3rd 2020: Universität Innsbruck

- 14:50 – 15:45** vis-lab tour by Martin Thaler (UIBK)
uibk.ac.at/scientific-computing/infrastructure
meeting point: Technikerstrasse 13/ground floor/Foyer
- 16:00** Pre-welcome by A. Kendl (programme speaker)
Technikerstrasse 25/3rd floor/room 36
- 16:15 – 17:30** Summary talks of the lecture:
Modelling & Simulation
- 17:30** Announcement of the Science Communication Prize
Challenge Competition
- 17:45** Get together

Tuesday, Feb. 4th 2020: UZE Obergurgl

- 12:00** Transfer / bus departure
meeting point: parking lot Campus Technik
- 14:00 – 18:30** Body Language Workshop for PhD students by
Suzanne Whitby (SciComm Success):
The Non-Verbal Scientist
- 17:00 – 18:30** Faculty Meeting
- 18:30 – 20:00** Dinner
- 20:00 – 21:30** Poster session & scientific discussions

Wednesday, Feb. 5th 2020: UZE Obergurgl

- 07:30 – 09:00** Breakfast
- 09:00 – 10:00** Talk by Eric Sonnendrücker (TUM):
*Numerical challenges for the simulation of magnetic
fusion plasmas*
- 10:00 – 10:30** Coffee
- 10:30 – 12:00** Talk by Petros Koumoutsakos (ETH Zürich):
Computing Frontiers and Limitations

Programme (continued)

Wednesday, Feb. 5th 2020: UZE Obergurgl (continued)

- 12:00 – 16:00** Get together (skiing & snowshoeing):
Winter School in the Snow
- 16:00 – 16:30** Coffee
- 16:30 – 18:00** Talk by Edoardo Patelli (US):
Numerical methods and tools for scientific computing
- 18:00 – 18:30** Students Meeting
- 18:30 – 19:30** Dinner
- 19:45 - 21:30** Presentation of the Communication Challenge

Thursday, Feb. 6th 2020: UZE Obergurgl

- 07:30 – 09:00** Breakfast
- 09:00 – 10:00** Talk by Michael Fink (UIBK):
HPC – Highlights from the ISC 2019
- 10:00 – 10:30** Coffee
- 10:30 – 11:30** Introductory talks by new PhD students
- 11:30 – 12:30** Open forum / case discussions:
Open research data
- 12:30 – 13:00** General assembly
- 13:00** Lunch
- 14:00** Transfer / bus

Friday, Feb. 7th 2020: Universität Innsbruck

- 09:30 – 12:00** HPC Introduction by Michael Fink (UIBK)
uibk.ac.at/zid/systeme/hpc-systeme
Technikerstrasse 25/3rd floor/room 36