

DEADLINES

Abstract submission – Feb. 27, 2017

Early registration – April 1, 2017

Registration Fee

€420 Early registration fee

€450 Regular registration fee

€300 Early registration fee - students

€350 Regular registration fee - students

Exhibition Opportunities

Companies interested in an information booth should contact

novcare@ufz.de

Organizing Committee

Rudolf Liedl / Falk Händel
(*Technische Universität Dresden*)

Peter Dietrich / Thomas Vienken
(*UFZ- Helmholtz Centre for Environmental Research*)

Jim Butler / Geoffrey Bohling
(*Kansas Geological Survey, University of Kansas*)

David Hyndman
(*Michigan State University*)

Remke van Dam
(*Centro Federal de Educação Tecnológica de Minas Gerais, Brazil*)

Carsten Leven
(*University of Tübingen*)

Kamini Singha
(*Colorado School of Mines*)

Dave Rudolph
(*University of Waterloo*)

Date

June 6-9, 2017

Location

Main Campus TU Dresden,
Dresden, Germany

Nearby airports: Dresden (DRS) and
Leipzig-Halle (LEJ)

Accommodations

Pre-booked rooms with keyword "NovCare 2017" (estimated prices in brackets for single and double room incl. breakfast)

- Pullman Dresden NEWA (€ 72)
- Holiday Inn Dresden - City South (€ 62, € 77)
- Guesthouse "Am Weberplatz" (€ 63, € 88)

Information about Online-Registration / Abstract Submission

www.ufz.de/novcare

Organizing Office

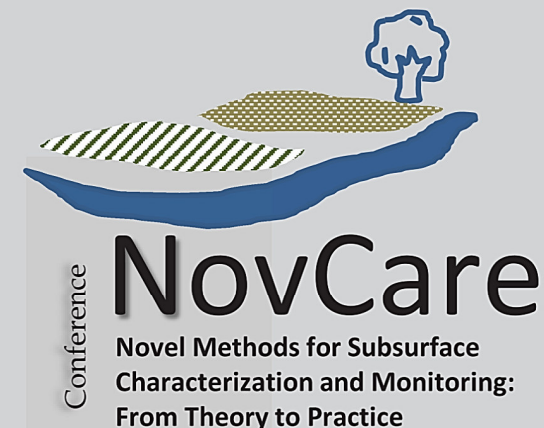
NovCare Organizing Office

Ms. Uta Sauer

UFZ - Helmholtz Centre for Environmental Research,
Dept. Monitoring and Exploration Technologies

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novcare@ufz.de



Call for Abstracts International Conference NovCare 2017 Dresden, Germany

June 6-9, 2017





NovCare 2017: Novel Methods for Subsurface Characterization and Monitoring: From Theory to Practice

As societal concerns about the long-term sustainability of groundwater supplies mount, there is a pressing need to improve our understanding of the subsurface and to better monitor and characterize naturally and anthropogenically influenced systems.

The environmental research community is facing an increasing demand for investigation methods that have high accuracy and resolution across a range of spatial and temporal scales. A new generation of methods for subsurface characterization is required if we are to significantly improve the predictive capabilities of numerical models. Showcasing such methods is the purpose of this conference.

NovCare 2017 will be the 5th edition of this biennial conference series and will focus on two main topics:

- Environmental sensors at all scales: How to combine information from remote sensing, ground-based geophysics, direct-push-based methods and point sensor systems?
- Benchmarking models with real-world data: How to get high-quality data in the field and how to use these data for reliable model predictions?

NovCare 2017 will again provide an outstanding platform for researchers and practitioners from all over the world to share research on innovative methods for characterization and monitoring of aquifers, soils, and watersheds.

EXPECTED SESSIONS ON:

Thematic Areas

- Opportunistic characterization
- Thermal use of the shallow subsurface
- Characterization at interfaces (stream-aquifer interactions, coastal settings, etc.)
- Flow and transport in the saturated and unsaturated zones
- Geotechnical site characterization
- Watershed characterization
- Biosphere monitoring
- Long-term monitoring

Relevant Technologies

- Near-surface and borehole geophysics
- Direct push technology
- Hydrogeochemical field techniques
- Hydrogeological investigation techniques
- Joint inversion of multi-method and multi-scale data
- Remote sensing
- In situ measurements
- Wireless sensor networks

Keynote Speakers *(among others)*

Kamini Singha (*Colorado School of Mines*)-
2017 Darcy Lecturer

Albert Valocchi (*University of Illinois*)

Johann Fank (*JR-AquaConSol GmbH*)

Lee Slater (*Rutgers University*)

James Butler (*Kansas Geological Survey*)

Uwe Meinberg (*Brandenburgische Technische Universität Cottbus-Senftenberg*)

Abstract Submission

Contributions as either oral or poster presentations are welcome. Please submit the abstract for your oral or poster presentation to

novcare@ufz.de

Deadline for abstract submission:

February 27, 2017

Papers from selected NovCare 2017 presentations will be published in a thematic issue of the ISI journal *Environmental Earth Science*.