

WINDFOR S 2018 SCIENCE MEETING

Technical University of Munich, 27 February to 1 March 2018

MEETING THEME

“My WindForS”: WindForS lives from your efforts, engagement, and enthusiasm. This meeting will allow you to get to know each other, see what work is being done and could be done, and to work out how to get the most from WindForS.

WHY TAKE PART?

Meet your project partners of today and those that might be the ones of tomorrow, discuss the challenges of ongoing projects, or create ideas for new projects

AN UNCONFERENCE

This meeting is an “unconference”, driven by you. This means that you get to decide what you want to talk about and what you want to achieve. To help make this happen we’ll have a bit of structure, but the choice of topics for the breakout sessions is with you.

So, whatever you want to discuss can be discussed. Let’s say you have a challenge in your project or Ph.D. that you’d like to talk about: just raise your hand and find people with similar problems or ideas, and use the time to work on what’s important to you.

There will be a poster board to collect ideas for each breakout session, and regular opportunities to propose more ideas.

If you want to find out more about this idea, it’s the “Open Space Technology” approach described by Harrison Owen. For more background, see https://en.wikipedia.org/wiki/Open_Space_Technology.

OUTLINE

The meeting will take place over three days. The three days will be structured as follows:

1. **Where are we now?**
What’s happening within WindForS, in member institutes, or in the wider world that’s important for you?
2. **Where are we going?**
What are the opportunities that we have around us? What could we do that would help you, your interests, or wind energy or where could we contribute?
3. **How do we get there?**
What concrete steps can we take after the meeting?

MEETING VENUE

The meeting will take place in the main TUM building in Munich in the TUM Vorhölzer forum. For more details see <http://www.vf.ar.tum.de/startseite/>.

Coffee, tea, water and a light midday snack will be provided.

CONFERENCE DINNER

There will be a group dinner on Tuesday evening at the Hofbräuhaus (<https://www.hofbraeuhaus.de>). We ask all participants to pay for their own dinner. Prices are very reasonable!

DAY 1: WHERE ARE WE?

Tuesday, 27 February

<i>Session Title</i>	
09:30	Arrival <ul style="list-style-type: none"> • Badging • Poster setup • Breakout session ideas
10:00	Poster session
11:30	Welcome and overview <ul style="list-style-type: none"> • Plans for the meeting • How to suggest breakout groups
12:00	WindForS project presentations <ul style="list-style-type: none"> • WINSSENT update and user concept: Andreas Rettenmeier (ZSW)
12:30	LUNCH
13:30	Project News <ul style="list-style-type: none"> • The MISTRALWIND Project (Max Botz, TUM) • WIPAFF (Stefan Emeis KIT IMK-IFU) • VORKAST (Ines Würth, SWE) • Urban Wind Energy (Jens Bange, EKUT) • Noise-Aware Design of Land-Based Wind Turbines (Pietro Bortolotti, TUM)
14:30	Breakout group proposals for “WindForS Today”. Suggest something you would like to explore in a group, e.g.: <ul style="list-style-type: none"> • What is WindForS? • Projects: WINSSENT / VORKAST / WIPAFF • Career development: How to survive a PhD / Life after PhD • Technical: Machine Learning / aerostructural models / ... • Etc. If you suggest an idea, please help start the discussion!
14:45	COFFEE
15:00	Breakout sessions for “WindForS Today” Split into groups to discuss whatever is relevant to you. Prepare posters showing issues and outcomes
16:00	Reporting session Presenting posters to each other
17:00	Close
19:00	Dinner at Hofbräuhaus Food orders will be taken after 19:30

DAY 2: WHERE ARE WE GOING?

Wednesday, 28 February

<i>Session Title</i>	
09:30	Social Acceptance of Wind Energy Sören Schöbel (TUM LAREG)
10:15	WindForS Research Themes <ul style="list-style-type: none"> • Real-time testing of wind turbines (Daniel Rixen) • Design of noise aware onshore wind turbines (Pietro Bortolotti) • Simultaneous wind measurement with multiple UAV (Martin Schoen) • Complex Terrain research planned at TUM (Emmanouil Nanos) • Ideas of projects using the WINSENT research facility (Andreas Rettenmeier) • An idea for a WindForS Project (Carlo Bottasso)
10:15	Breakout group proposals for “Research opportunities”
10:45	COFFEE
11:00	Breakout sessions for “Research Opportunities”
12:00	Reporting session Presenting posters to each other
12:30	LUNCH
13:30	Education and Collaboration Presentations 10-minute presentations about education and collaboration from WindForS and other projects: <ul style="list-style-type: none"> • Courses I teach (Christian Grosse) • A new “Wind Energy Controls” Course (Frank Lemmer) • Wind Energy Laboratory (Ines Würth)
14:00	Breakout group proposals for education and collaboration
14:15	Breakout sessions for “Education and collaboration” Split into groups focused on education and collaboration issues, or continue prior discussions.
15:00	COFFEE
15:30	Reporting Presenting posters to each other
16:30	Action! Proposals for WindForS activities to explore on day 3 Activities should combine any aspects of our people, skills, research questions, education, and collaboration.
17:00	Close

DAY 3: HOW DO WE GET THERE?

Thursday, 1 March 2018

<i>Session Title</i>	
09:00	<p>Breakout group proposals for WindForS activities.</p> <p>These activities should combine any or all of aspects of our people, capabilities, and skills, with answering research question, or helping support education and collaboration.</p> <p><i>This is a deliberate repeat of the close of Day 2 to allow for new ideas.</i></p>
09:30	<p>Breakout sessions: WindForS activities</p> <p>Split into smaller groups and use the time to work on plans for WindForS activities. These could be projects, training, meetings, conference calls, discussion groups, or whatever.</p> <p>The outcome should be a plan with actions, names, and dates.</p> <p>For example:</p> <ul style="list-style-type: none"> • WindForS network development • WindForS student network • Project idea 1 • Project idea 2 • Student exchange idea • WindForS code repository • WindForS common BEM code • Etc. <p>Or, continue previous discussions.</p>
10:30	COFFEE
11:00	<p>Reporting and discussions</p> <p>Presenting posters to each other</p>
12:00	LUNCH
	... and more discussion
13:00	<p>Outcomes and Next Steps</p> <ul style="list-style-type: none"> • Summary of outcomes • Summary of proposed WindForS activities
14:00	Close