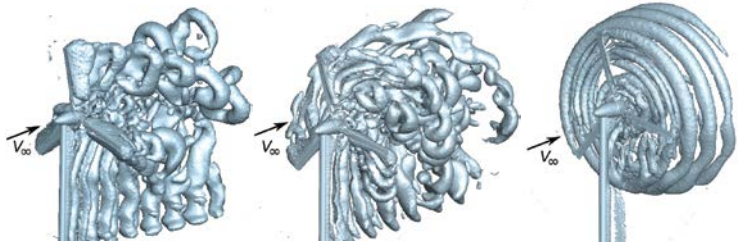


# Workshop on Aeroelasticity and Wind-Turbine Dynamics

5th December 2018

Aula Conference Center, TU Delft

In connection with the PhD defense of Rakesh Sarma



A workshop on wind-energy and fluid-structure interaction, from a (primarily) computational point-of-view. See over-leaf for the programme.



**Contact:**

dr. Richard Dwight <r.p.dwight@tudelft.nl>

**Registration:**

until 1st December at <https://goo.gl/jUdvnN>



# Programme 5th December 2018

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**Morning** Senaatzaal, Aula

9:30

Rakesh Sarma

*Lay presentation: Reconstruction and Reduction of  
Uncertainties in Aeroelastic Systems*

10:00

Rakesh Sarma & Committee

*PhD defense Rakesh Sarma*

12:00

**-- Lunch --**

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**Afternoon** Committee room #3, Aula

13:15

prof.dr. Morten Hansen

**Uni. Southern Denmark**

*Modal dynamics of two- and three-bladed wind  
turbines – what is the difference?*

13:45

dr. Simao Marques

**Uni. Surrey**

*Reduced-order models for aeroelastic analysis and  
optimisation*

14:15

prof.dr. Weiwei Zhang

**NWPU, Xi'an**

*Frequency Lock-in Phenomena of Structures in  
Separated Flow*

14:45

**-- Coffee break --**

15:00

prof.dr.ir. Jan-Willem van Wingerden

**TU Delft**

*Closed-loop wind farm control*

15:30

dr.ir. Axelle Vire

**TU Delft**

*High-order methods for the simulation of wind turbine  
wakes and fluid-structure interaction*

16:00

**-- End, drinks and snacks --**

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