

Network event 4TU.AMI Summer 2022

5 July 2022, Eindhoven (Zwarte Doos, campus TU/e)

Schedule

10.00 – 10.05 Opening by Johann Hurink, Scientific Director 4TU.AMI

10.05 – 10.35 Invited talk by Jan van Neerven – ‘Transitions, Extremes and Climate’

10.35 – 11.00 Coffee break

11.00 – 11.30 Pitches

<i>Name</i>	<i>Affiliation</i>	<i>Chair/research area</i>
Ellen van den Bos	4TU.AMI	
Rik Versendaal	TUD	Random Geometric Graphs and Stochastic Processes in Manifolds
Julian Koellermeier	RUG	Computational Mathematics
Noela Müller	TU/e	Probability
Marco Saltini	WUR	Mathematical and Statistical Methods - Biometris
Krzysztof Postek	TUD	Optimization - <i>Cancelled</i>
Fleurianne Bertrand	UT	Mathematics of Computational Science
Suman Chakraborty	TU/e	Probability and Statistics

11.30 – 12.00 10-minute presentations

<i>Name</i>	<i>Affiliation</i>	<i>Title of presentation</i>
Mengwu Guo	UT	Introduction to 4TU.AMI SRI ‘Bridging Numerical Analysis and Machine Learning’
Bart Smets	TU/e	PDE-based Equivariant Neural Networks
Carel Peeters	WUR	Factor Analytic Representation Learning

12.00 – 13.30 Lunch

13.30 – 14.00 Pitches

<i>Name</i>	<i>Affiliation</i>	<i>Chair/research area</i>
Alexis Derumigny	TUD	Statistics
Bart Besselink	RUG	Systems and Control Theory
Eva Deinum	WUR	Mathematical and Statistical Methods - Biometris
Alberto Ravagnani	TUe	Coding Theory and Cryptology
Alethea Barbaro	TUD	Mathematical Physics
Anne Zander	UT	Stochastic Operations Research
Kewang Chen	TUD	Numerical Analysis
Henk van Waarde	RUG	Systems and Control Theory

14.00 – 14.30 10-minute presentations

<i>Name</i>	<i>Affiliation</i>	<i>Title of presentation</i>
Alexander Heinlein	TUD	Parallel Domain Decomposition Solvers & Scientific Machine Learning
Tugce Akkaya	UT	Digitalization in Education
Yoeri Dijkstra	TUD	SRI Project: Differential Equations for Phytoplankton-Nutrient Ecosystems (DEPHYNE)

14.30 – 15.00 Coffee break

15.00 – 15.30 Invited talk by Tracy Craig –
'The importance of embedding disciplinary education research within the discipline'

15.30 – 16.00 Pitches

<i>Name</i>	<i>Affiliation</i>	<i>Chair/research area</i>
Yuki Murakami	TUD	Discrete Mathematics and Optimization
Elisa Perrone	TU/e	Statistics, Dependence Modeling
Eric Siero	WUR	Mathematical and Statistical Methods - Biometris
Hanyuan Hang	UT	Statistics, Machine Learning
Carolina Urzúa-Torres	TUD	Numerical Analysis
Elena Berardini	TU/e	Coding Theory and Cryptology
Pim van 't Hof	4TU.AMI	

16.00 – 16.30 10-minute presentations

<i>Name</i>	<i>Affiliation</i>	<i>Title of presentation</i>
Ruben Hoeksma	UT	<i>Cancelled</i>
Bart Besselink	RUG	Applied Mathematics in Groningen
Carlos Perez Arancibia	UT	Extending the capabilities of boundary integral equation methods

16.30 – Photo moment, drinks and Italian buffet