

Network event 4TU.AMI Summer 2024

10.30 – 10.45 Opening by **Johann Hurink**, scientific director 4TU.AMI

10.45 – 11.15 Invited talk by **Johannes Schmidt-Hieber** – 'On biologically inspired learning'

11.15 – 11.45 Coffee break

11.45 – 12.30 Pitches

Name	Affiliation	Chair/research area
Silke Glas	UT	SRI 'Model reduction'
Özge Şahin	TUD	Copula-based dependence modeling with applications
Alexandra Lassota	TU/e	Rectangles and me
Sonja Otten	UT	Surviving math
Karsten Kruse	UT	Surviving math
Tamás Görbe	RUG	Symmetry and integrability
Pariya Behrouzi	WUR	Graphical models for high-dimensional data
Christoph Brune	UT	SRI 'Numerical analysis & machine learning'

12.30 – 13.45 Lunch break + group photo

13.45 – 14.00 Presentation 4TU.ResearchData

14.00 – 15.00 SRI 'Advancing mathematical competencies' (talk + discussion)

15.00 – 15.30 Coffee break

15.30 – 16.15 Pitches

Name	Affiliation	Chair/research area
Elisa Perrone	TU/e	The many faces of copula models - from convex polytopes to weather forecasting
Shang Wang	WUR	Partial pole assignment via Sylvester equation for linear time-invariant (LTI) systems
Ruben Hoeksma	UT	Improved algorithm performance through unreliable predictions
Sophie Zegers	TUD	Noncommutative geometry
Pieter Trapman	RUG	Mathematics in times of epidemics
Noela Müller	TU/e	Complexity and phase transitions in random discrete structures
Gaurav Rattan	UT	Graphs and networks go neural
Carlos Pérez Arancibia/ Vanja Nikolić	UT RU	SRI 'Wave phenomena'

16.15 – 16.45 Invited talk by **Mireille Boutin** – 'Discrete object recognition and symmetry detection'

16.45 – Closing, drinks and Italian buffet (Theatercafé in the Vrijhof)