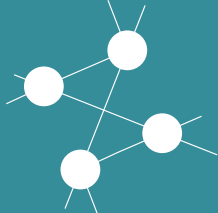


08.00 - 09.00	Registration
09.00 - 09.10	Opening: Christoph Brune
09.10 - 10.40	DIAMANT chair Steven Kelk
30 min	Marten van Dijk [CWI] <i>On the Convergence of Stochastic Gradient Descent</i>
30 min	Ronald de Wolf [CWI] <i>Mathematical Aspects of Quantum Machine Learning</i>
30 min	Antonios Antoniadis [University of Twente] <i>Learning-Augmented Algorithms for Dynamic Power Management</i>
10.40 - 10.55	Coffee Break
10.55 - 12.25	STAR chair Evgeny Verbitskiy
30 min	Peter Grünwald [CWI/Leiden University] <i>The Unreasonable Effectiveness of Stochastic Mathematics in Artificial Intelligence</i>
30 min	Tim van Erven [University of Amsterdam] <i>Statistics and Machine Learning: Towards a Closer Integration</i>
30 min	Bert Zwart [CWI/Eindhoven University of Technology] <i>Machine Learning and applied probability</i>
12.25 - 13.45	Lunch Break
13.45 - 15.15	GQT chair Christoph Brune
45 min	Pepijn Roos Hoefgeest [Vrije Universiteit Amsterdam] <i>An introduction to persistent homology</i>
45 min	Bram Mesland [Leiden University] <i>Quantum geometry in noisy data</i>
15.15 - 15.30	Coffee Break
15.30 - 17.00	NDNS+ chair Tristan van Leeuwen
45 min	Gitta Kutyniok [LMU Munich] <i>Scientific Computing meets Artificial Intelligence</i>
45 min	Remco Duits [Eindhoven University of Technology] <i>PDE-G-CNNs: PDE-based roto-translation equivariant convolutional neural networks and applications</i>
17.00 - 18.30	Drinks & poster session
18.30 - 21.00	Dinner



08.00 - 09.00	Arrival & registration
09.00 - 10.00	DIAMANT chair Mathias Staudigl
30 min	Etienne de Klerk [Tilburg University] <i>Analyzing the worst-case behavior of popular optimization algorithms used in machine learning</i>
30 min	Ilker Birbil [University of Amsterdam] <i>A Scalable Rule Generation Framework for Learning</i>
10.00 - 11.00	STAR chair Tim van Erven
20 min	Jaron Sanders [Eindhoven University of Technology] <i>Analyzing dropout training in neural networks from a stochastic perspective</i>
20 min	Rianne de Heide [Vrije Universiteit Amsterdam] <i>Stochastic bandits</i>
20 min	Arnoud den Boer [University of Amsterdam] <i>Mathematical Aspects of Quantum Machine Learning</i>
11.00 - 11.15	Coffee Break
11.15 - 12.15	GQT chair Bram Mesland
60 min	Ieke Moerdijk [Utrecht University] <i>Shuffles of Trees</i>
12.15 - 13.30	Lunch Break
13.30 - 14.30	NDNS+ chair Tristan van Leeuwen
20 min	Felix Lucka [CWI] <i>Deep Learning in Computational Imaging</i>
20 min	Palina Salanevich [Utrecht University] <i>Online non-negative matrix factorization as a tool in data processing</i>
20 min	Marcello Carioni [University of Twente] <i>Learning adversarial regularizers for inverse problems</i>
14.30 - 17.00	Strategic session chair Wil Schilders
15 min	Inald Langendijk AiNed
15 min	Mengwu Guo 4TU.AMI Strategic Research Initiatives proposal
	Group Discussions
17.00 - 18.00	Farewell drinks