



<https://uit.no/research/mascot>

Schedule of the first MASCOT workshop

Wed 20 Apr 2022

12:00-12:30 Joint lunch (for physical participants)

12:50-13:00 Opening

13:00-13:25 **Cordian Riener** «Symmetry - why beauty can be helpful»

13:30-13:55 **Fatemeh Mohammadi** «Combinatorial methods in applied algebraic geometry»

14:00-14:25 **Trygve Johnson** «Error-correcting codes and associated combinatorial structures»

14:30-14:55 Coffee break

15:00-15:25 **Chiara Bordin** «Computing architectures and algorithms for optimal network islanding and restoration within large-scale technology-oriented energy and power systems models»

15:30-15:55 **Dennis The** «From classical symmetry to computational supersymmetry»

Thu 21 Apr 2022

12:00-12:30 Joint lunch (for physical participants)

13:00-13:25 **Boris Kruglikov** «Solving overdetermined systems of differential equations: how symbolic packages and large computations help finding solutions»

13:30-13:55 **Viveka Erlandsson** «Growth of geodesics on surfaces»

14:00-14:25 **Andrei Piatnitski** «Homogenization of nonlocal convolution type operators»

14:30-14:55 Coffee break

15:00-15:25 **Wei Deng Solvang** «Mathematical optimization for real-time automation and logistics operations - current applications, challenges and problems to be solved»

15:30-15:55 **Hans Munthe-Kaas** «Structure preservation in numerical algorithms»

16:00-16:10 Closing

Each talk is 25 min long +5 min time for questions. The meeting will be held in **hybrid format**, for physical participants both computer and blackboard are available (one at a time)

Room: **FPARK**, Institutt for Matematikk og Statistikk, B459

Zoom: <https://uit.zoom.us/j/68685227359?pwd=N0dacW5VQjQ3M2lCRnFpUnpyVURLdz09>

(Meeting ID: 686 8522 7359, Password: 587787)



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