

Kaamos Symposium Program

Thursday, 8.12.2022

Location: Saalastinsali

First Session with keynote speaker Dr. Lenka Kuglerova

Chair: *Dr. Kaisa-Leena Huttunen*

- 9:00 Opening words by *Prof. Heikki Helanterä*
- 9:05 Interaction between forestry and water: riparian forests and riparian buffer zones,
Dr. Lenka Kuglerova, Swedish University of Agricultural Sciences
- 10:05 Browning alters food-webs and leads to biodiversity loss in riverine ecosystems,
Dr. Jussi Jyväsjärvi, University of Oulu
- 10:30 DOC Transport Processes in a subarctic headwater stream revealed by multi-year high-resolution measurements,
Dr. Danny Croghan, University of Oulu

Coffee Break

- 11:00 From thaw till fall: interacting hydrology, greenhouse gas fluxes and carbon cycle in Arctic stream-lake continuum,
Dr. Kaisa-Riikka Mustonen, University of Oulu
- 11:20 Geodiversity in biodiversity research and conservation,
Maija Toivanen, University of Oulu
- 11:40 Microbial rarity in stream networks: biodiversity patterns and types of rarity
Jacqueline Malazarte, University of Oulu

Lunch Break

Second session with keynote speaker Dr. Jukka Salmela

Chair: *Dr. Olli Loukola*

- 13:30 How one became three - a taxonomic tale,
Dr. Jukka Salmela, Regional Museum of Lapland
- 14:30 Towards sawfly-literacy: A book and DNA reference library for North European sawflies,
Dr. Marko Mutanen, University of Oulu
- 14:50 Evolutionary history of European Agriades: Implications for taxonomy and conservation,
Nok Ting Lam, University of Oulu

Coffee Break

- 15:30 In situ biodiversity monitoring with nanopore,
Dr. Stefan Prost, University of Oulu
- 15:50 Population genetics of Eurasian golden eagles,
Ekaterina Karabanina, University of Oulu

- 16:10 Modelling golden eagle (*Aquila chrysaetos*) and white-tailed eagle (*Haliaeetus albicilla*) habitat selection and flight activity for safer wind farm planning,
Hannu Tikkanen, University of Oulu
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Workshop in room B123

- 17:30 Miniature sequencing devices by Oxford Nanopore Technologies (ONT),
Dr. Stefan Prost and Dr. Marko Prous, University of Oulu
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Friday, 9.12.2022

Location: Saalastinsali

Third session with keynote speaker Dr. Suvi Ruuskanen

Chair: *Dr. Veli-Matti Pakanen*

- 9:00 Maternal effects and offspring phenotype in birds: understanding the mechanisms?,
Dr. Suvi Ruuskanen, University of Jyväskylä

- 10:00 Life-history dependent phenotypic plasticity in growth and human-induced selection,
Dr. Nico Alioravainen, Natural Resources Institute Finland (LUKE)

Coffee break

- 10:40 Extended phenotypes as mediators of transfer of relational concepts between species,
Reetta Hämäläinen, University of Oulu

- 11:10 Effects of forest management on the spatial distribution of the willow tit (*Poecile montanus*),
Satu Kumpula, University of Oulu

- 11:30 Species delimitation in a Parapatric pair of Saturnia moths as revealed by Target Enrichment,
Maria Khan, University of Oulu

Lunch Break

Fourth session with keynote speaker Dr. Marina Semchenko

Chair: *Dr. Annamari Markkola*

- 13:30 Plant functional traits and rhizosphere processes: from global patterns to local interactions and evolution,
Dr. Marina Semchenko, University of Tartu

- 14:30 Nitrogen addition and warming modulate the pathogen impact on plant biomass,
Xuebin Yan, University of Oulu

- 14:50 Role of endosymbiotic bacteria (*Pseudomonas synxantha* DSM13080) in growth and stress adaptation of host plants in boreal and arctic climates,
Habibollah Parast Tabas, University of Oulu

Coffee Break

- 15:20 Temporal changes in boreal vegetation under 70 years of conservation,
Lauralotta Muurinen, University of Oulu

- 15:40 Summer habitats of wild forest reindeer (*Rangifer tarandus fennicus*) in Finland – a preliminary predictive model,
Dr. Antti Paasivaara, Natural Resources Institute Finland (LUKE)
- 16:00 Boreal moth biomass is either stable or increasing in time depending on key life-history traits,
Mahtab Yazdanian, University of Oulu
- 16:20 Closing words by *Prof. Jouni Aspi*
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18:00 Afterparty at the Botanical gardens