

INAR Seminar 2023

12.01.2023 at 14:15 **Dr. Devaraju Narayanappa** (CSC) *"Local and non-local biophysical effects of deforestation and bioenergy crop cultivation across the globe"*.

19.01.2023 at 14:15 **Dr. Shahzad Gani** (INAR, University of Helsinki) *"Atmospheric Tales: Science, Scientists, and Storytelling"*.

26.01.2023 at 14:15 **Dr. Jing Dou** (INAR, University of Helsinki) *"Photochemical aging processes in iron containing aerosols"*.

02.02.2023 at 14:15 **CoE: Virtual laboratory for molecular level atmospheric transformations (VILMA)**

- 14.15-15.15 **Siddharth Iyer**, (Tampere University) *"Molecular rearrangement of bicyclic peroxy radicals: key route to aerosol from aromatics"*.
- 15.15-15.30 Coffee break
- 15.30-16.00 **Vitus Besel**, (INAR, University of Helsinki) *"Curation of Big Data for Atmospheric Science"*.

09.02.2023 at 14:15 **No Seminar** (Geology degree programmes career day).

16.02.2023 at 14:15 **Dr. Victoria Sinclair** (INAR, University of Helsinki) *"The relationship between extra-tropical cyclone intensity and precipitation in idealised current and future climates"*.

02.03.2023 at 14:15 **Dr. Stephany Mazon** (INAR, University of Helsinki) *"Science for policy"*.

09.03.2023 at 15:30 **Prof. Roberto Buizza** (Scuola Superiore Sant'Anna) *"The ECMWF ensemble perturbation strategy"*.

16.03.2023 at 14:15 **CoE: Virtual laboratory for molecular level atmospheric transformations (VILMA)**

- 14.15-15.15 **Otso Ovaskainen**, (University of Jyväskylä) *"Surveying the world's biodiversity with DNA, audio, image, machine learning, statistics and mathematics"*.
- 15.15-15.30 Coffee break

- 15.30-16.00: **Timo Pekkanen**, (INAR, University of Helsinki) *"The Chemical Master Equation"*.

23.03.2023 at 14:15 **Dr. Putian Zhou** (INAR, University of Helsinki) *"From past to future, from Sahara to boreal forest"*.

18.04.2023 at 14:15 **Prof. Timothy Bertram** (University of Wisconsin) *"Sources and fate of reactive volatile organic compounds in the marine boundary layer"*.

27.04.2023 at 09:00 **Senni Raunio** (Climate Leadership Coalition) *"Carbon Handprint Methodology"*.

04.05.2023 at 14:15 **CoE: Virtual laboratory for molecular level atmospheric transformations (VILMA)**

- 14.15-15.15 **Jari Kaipio**, (University of Eastern Finland) *"What makes a problem an unstable (inverse) one and how to interpret it?"*.
- 15.15-15.30 Coffee break
- 15.30-16.00 **Aku Seppänen**, (University of Eastern Finland) *"Tomographic imaging of greenhouse gases using open-path laser dispersion spectroscopy"*.

11.05.2023 at 14:15 Memorial symposium of **Prof. Eero Holopainen**

31.05.2023 at 14:00 **Prof. Paul Palmer** (University of Edinburgh) *"The rise of atmospheric methane: an unfolding story about hotspots and wet spots"*.

01.06.2023 at 14:15 **CoE: Virtual laboratory for molecular level atmospheric transformations (VILMA)**

- 14.15-15.15 **Prof. Juho Rousu** (Aalto University) *"Machine Learning for small molecule identification from mass spectrometry data"*.
- 15.15-15.30 Coffee break.
- 15.30-16.00 **Ivo Neefjes** (University of Helsinki) *"Configurational sampling for ion mobility modeling"*.

22.06.2023 at 14:15 **Prof. Mikhail Sofiev** (FMI) *"Predicting occurrence and intensity of vegetation fires for various time scales"*.

31.08.2023 at 14:15 **Prof. Jingqiu Mao** (University of Alaska Fairbanks) *"Atmospheric Chemistry in North American Arctic: Cold Winter and Hot Summer"*.

14.09.2023 at 14:15 **Prof. Dr. Shantanu Jathar** (Colorado State University) *"Process-level, kinetic models to study the formation, physicochemical properties, and experimental artifacts for secondary organic aerosol"*.

21.09.2023 at 14:15 **CoE: Virtual laboratory for molecular level atmospheric transformations (VILMA)**

- 14.15-15.15 **Dr. Thomas Berkemeier** (Max Planck Institute for Chemistry) *"Machine Learning methods for molecular property estimation, surrogate modelling, and directing laboratory experiments"*.
- 15.15-15.30 Coffee break
- 15.30-16.00 **Bernhard Reischl**, (INAR, University of Helsinki) *"Unravelling the details of heterogeneous ice nucleation on silver iodide surfaces with atomistic simulations"*.

12.10.2023 at 14:15 **CoE: Virtual laboratory for molecular level atmospheric transformations (VILMA)**

- 14.15-15.15 **Prof. Claudia Mohr** (Paul Scherrer Institute and Swiss Federal Institute of Technology): *"TBA"*
- 15.15-15.30 Coffee break
- 15.30-16.00 **Henning Finkenzeller** (University of Helsinki): *"Towards the ideal CIMS inlet – physical processes and limitations"*.

02.11.2023 at 14:15 **Prof. David Schultz** (University of Manchester) *"Strong Winds in Extratropical Cyclones, Tornadoes in Europe, and Paleoclimate Modeling: Weather and Climate Research at Manchester"*.

16.11.2023 at 14:15 **CoE: Virtual laboratory for molecular level atmospheric transformations (VILMA)**

- 14.15-15.15 **Assistant Professor Jonas Elm** (Aarhus University): *"Machine Learning Approaches for Studying Atmospheric Molecular Cluster Formation"*.
- 15.15-15.30 Coffee break
- 15.30-16.00 **Christopher Daub** (University of Helsinki): *"How do external electric fields affect the structure and stability of atmospherically relevant clusters? A DFT study"*.

30.11.2023 at 14:15 **Dr. Sunitha Pangala** (Lancaster University): *"The role of trees in methane emissions from the Amazon floodplains"*