

Program

Third open ARTS community workshop

Kristineberg Sep 6-8, 2017

Wednesday, morning

1. Workshop start + general ARTS talks

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09:00	Welcome	Patrick
09:15	General introduction to ARTS	Stefan
09:25	Recent extensions of ARTS	Patrick
09:40	Qpack	Patrick
09:45	Typhon	Oliver and Lukas
09:55	The ARTS scattering database	Robin Ekelund
10:10	Coffee break	

2. Talks and planning of group work

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10:30	A Monte Carlo solver for cloud and precipitation radar	Ian Adams
10:50	Passive scattering calculations in ARTS: Improvements and new features	Jana Mendrok
11:10	Millimeter, submm-wave and LWIR polarimetry for microphysical properties of ice clouds and frozen systems	Dong Wu
11:30	Organization of the group work	All
12:00	Lunch	

Wednesday, afternoon

1. Group work

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13:30	Group work, session a	All
15:20	Coffee break	

2. Talks

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15:40	1 min poster introductions	Poster presenters
15:50	Optimal estimation retrievals of precipitation with active and passive measurements using ARTS as a forward model	Joe Munchak
16:10	Variational retrieval of warm rain from GMI	David Duncan
16:30	OEM in ARTS	Simon Pfreundschuh
16:50	Quick review of group work	All
18:00	Barbeque	

Thursday, morning

1. Talks

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09:00	The MLS implementation of polarized radiative transfer near Zeeman split oxygen lines	Michael Schwartz
09:20	Non-LTE, line mixing and related improvements of ARTS	Richard Larsson
09:40	Py4CArS - Python for Computational Atmospheric Spectroscopy	Franz Schreier
10:00	Coffee break	

2. Group work

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10:20	Group work, session b	
12:00	Lunch	

Thursday, afternoon

1. Talks

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13:30	Multi-dimensional wind retrievals for WIRA-C	Jonas Haben
13:50	Ground-based measurements of OH and O3 around 12 GHz	David Newnham
14:10	Ukrainian monitoring station of molecule CO and O3 in the Earth's atmosphere: First results	Oleksii Patoka
14:30	Rayleigh lidar measurements of middle-atmosphere temperatures	Robin Wing
14:50	Coffee break	

2. Group work

15:10	Group reports	All
16:00	Group work, session c	
17:00	Dinner	

Friday, morning

1. Group work

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9:00	Group work, session d	All
10:10	Coffee break	

2. Wrap up

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10:30	Group reports, discussion and wrap up	All
12:00	Lunch	
12:45	Bus leaves	
