

Third workshop on Air-Ice Chemical Interactions (AICI)

Wednesday, 8 June 2011

Modeling Workshop (09:00 - 17:20)

time	[id] title	presenter
09:00	[52] Introduction	
09:15	[13] Microstructural Modeling of Snow- and Firn Processes	Dr KAEMPFER, Thomas
09:45	[10] Comparative molecular dynamics study of vapor-exposed basal, prismatic and pyramidal surfaces of ice	Dr ROESELOVA, Martina
10:00	[64] Parameterizing Trace Gas - Ice Interactions: A look into laboratories	BARTELS-RAUSCH, Thorsten
10:15	[53] Discussion: Representing physical and chemical processes on the micro scale in models	
11:00	Coffee	
11:30	[38] Photolysis rates of nitrate, hydrogen peroxide and nitrite in Arctic and Antarctic snows: A field and modelling study	Dr KING, Martin
11:45	[1] Investigating the Impact of Snowpack Photodenitrification on Antarctic Atmospheric Chemistry Utilizing Results from a Snowpack Radiative Transfer Model in a Global Chemical Transport Model	Ms ZATKO, Maria
12:00	[54] Discussion: Radiative transfer and photolysis rates in snow	
12:30	Lunch	
13:30	[66] Development of a mechanistic representation of snow-atmosphere exchange of reactive compounds for implementation in large-scale models	GANZEVELD, Laurens
14:00	[36] Reactive halogen release from the polar snowpack and the depletion of ozone and mercury in the air: Insights from 1-D (mechanistic) and 3-D (chemical transport) models	Dr TOYOTA, Kenjiro
14:15	[2] How different would tropospheric oxidation be over an ice-free Arctic?	Dr VOULGARAKIS, Apostolos
14:30	[56] Discussion: representing processes in the snow in global models	
15:30	Coffee	
16:00	[57] Summary + Outlook	