

Centenary of the Royal Meteorological Institute of Belgium

September 26-27 2013

Thursday, September 26, 2013

8:30-9:15	Registration
9:15-9:20	Arrival of His Royal Highness Prince Laurent of Belgium
9:20-9:50	Opening
	Philippe Courard Secretary of State for Science Policy
	Daniel Gellens Director General a.i. of the Royal Meteorological Institute

Chair: Stéphane Vannitsem (RMI, Belgium)		
9:50-10:30	Piet Termonia (RMI, Belgium)	Atmospheric modeling at the RMI: the past, the present and the future
10:30-11:10	Tim Palmer (University of Oxford, United-Kingdom)	Blurring the boundary between dynamics and physics in weather and climate models
Coffee break		
11:30-12:10	Guy Brasseur (CSC, Germany)	From Meteorology to Aeronomy and Atmospheric Chemistry
12:10-12:50	Jean-François Geleyn (Météo-France, France)	Beyond 'Dufour et Van Mieghem 1975', contribution of the Third Law to the thermodynamic of moist atmospheric open systems
12:50-13:30	Peter Lynch (UCD Dublin, Ireland)	Numerical Integration using Laplace Transforms

Lunch

Chair: Piet Termonia (RMI, Belgium)

14:50-15:30	Tilmann Gneiting (Heidelberg University, Germany)	Statistical postprocessing of ensemble weather forecasts
15:30-16:10	Catherine Nicolis (RMI, Belgium)	Climate response to externally induced time- dependent forcings: signatures and early warnings

Coffee break

16:30-17:10	André Berger (UCL, Belgium)	Past climates, a key to the future? (do we have good analogues for the future global warming?)
17:10-17:50	Michael Ghil (ENS- Paris, France and UCLA)	Extreme Events: Dynamics, Statistics and Prediction



Friday, September 27, 2013

Chair : Christian Tricot (RMI, Belgium)

9:00-9:40	G. Demarée (RMI, Belgium)	The history of instrumental meteorological observations in Belgium: a dialogue between Hippocrates, Vergilius and Mercurius
9:40-10:20	Phil Jones (CRU, United-Kingdom)	History of global temperature estimation – Köppen to satellites

Coffee break

Chair: Sacha Joukoff (RMI, Belgium)

10:40-11:20	Steven Dewitte (RMI, Belgium)	History of radiation measurements at the Royal Meteorological Institute of Belgium
11:20-12:00	Ehrhard Raschke (MPI and MI, University of Hamburg, Germany)	History of Earth Radiation Budget measurements
12:00-12:40	Remko Uijlenhoet (Wageningen University, The Netherlands)	Remote sensing of rainfall: a challenge for meteorology and hydrology

Lunch

Chair: Josef Hus (RMI, Belgium)

14:00-14:40	Jean Rasson (RMI, Belgium)	Contributions of RMI to Geophysics
14:40-15:20	Vincent Courtillot (Paris-Diderot University, France)	Evidence for significant solar signatures in some 20th century geophysical and climatological time series

Coffee break		
15:40-16:20	Bodo Reinisch (LDI, USA)	Mapping the Global Ionosphere: RMI's Contributions
16:20-17:00	Christian Bouquegneau (Umons, Belgium)	Lightning Risk Assessment and Lightning Ground Flash Density
Closing		

