

PRE-CONFERENCE IPY AND SCAR SCIENCE BUSINESS MEETINGS

For location and timing see table on conference web site
<http://www.scar-iasc-ipy2008.org/>
[scar-iasc-ipy2008/SCAR2008meetings_v13.xls](http://www.scar-iasc-ipy2008.org/SCAR2008meetings_v13.xls)

POST-CONFERENCE XXX SCAR DELEGATES MEETING

Welcome Reception, Sunday evening, July 13, Academy of Sciences
Delegates Dinner, Tuesday evening, July 15
(for annotated agenda and timetable see
<http://www.scar.org/members/scarmeetingreports/xxmoscow08/meetingpapers.html>)

RECEPTIONS AND FORMAL DINNERS

St. Petersburg:

Saturday July 5, 7–9 pm, Icebreaker Reception for SCAR Science Business attendees, and IPY committee members.
Hotel Park Inn Pribaltiyskaya

Monday July 7, 7–9 pm, Conference Welcome Reception for Conference participants.
Hotel Park Inn Pribaltiyskaya.

Thursday July 10, 7–10 pm, SCAR Dinner
(prepayment required)

Moscow:

Sunday July 13, 7–9 pm, by invitation
only for SCAR Delegates meeting attendees

Tuesday July 15, 7–10 pm SCAR Delegates meeting dinner
(by invitation only)

GENERAL INFORMATION

Participants for both the St Petersburg and Moscow meetings are advised to make all arrangements through the conference web site (see <http://www.scar-iasc-ipy2008.org/>), which contains details on Registration; Hotels and Rates; Local travel and connections; Visas; Partners/Spouses; Tourism and Visits. Hotels rates quoted are per room and night, including breakfast, service and taxes. To keep costs down registrants may opt to share rooms. Participants are advised to book their accommodation well in advance. Costs rise steeply after the Early Bird Deadline. The final deadline for the pre-reservation for the Meeting will be July 1, 2008. Any reservation received after this date will also be accepted on request; but rates cannot be guaranteed after this date.



SECOND CIRCULAR

Scientific Committee on Antarctic Research (SCAR)
International Arctic Science Committee (IASC)

Polar Research – Arctic and Antarctic Perspectives in the International Polar Year



SCAR/IASC IPY Open Science Conference

St. Petersburg, Russia
July 8th – 11th 2008



in association with

- XXX SCAR Science Business Meetings (July 4–7, 2008)
- XXX SCAR Delegates meeting (Moscow) (July 14–16, 2008, by invitation only)
- IPY Joint Committee Meeting (July 4–5, 2008)
- IPY Open Forum (July 7, 2008)
- Association of Polar Early Career Scientists (APECS)/SCAR/IASC/IGS Career Development Workshop (July 7, 2008)
- SCAR/IASC/CIIC/CRESTIS Workshop on Improving Ice Sheet Models (July 5–7, 2008)

Meeting locations: In St Petersburg – Hotel Park Inn Pribaltiyskaya and Arctic and Antarctic Research Institute (AARI); in Moscow – Academy of Sciences

Registration in St Petersburg daily from 0900–1700 July 4–11, Hotel Park Inn Pribaltiyskaya

Low price Early Bird Registration ends April 20, 2008



DRAFT PLENARY PROGRAM

July 8, 2008

08:30 – 10:00 AM – Opening Ceremonies

(Masters of Ceremonies – C. Summerhayes and V. Rachold)

- Welcome – SCAR/ IASC Presidents – C. Rapley/K. Kristianssen
- Possible Welcome: Artur Chilingarov – Russian State Duma
- Possible Welcome – Valentina Matvienko – Governor of St Petersburg
- Welcome – from IPY co-sponsors – Alexander Bedritsky on behalf of WMO, and Khotso Mokhele on behalf of ICSU
- Welcome – Local Organizers – Vladimir Kotlyakov
- Welcome – COMNAP Perspective – Jose Retamales
- Open Science Conference Program Introduction – ISOC co-Chairs – M. Kennicutt and L. Hacquebord
- SCAR Medal Ceremony (3 awardees)

10:00 – 10:30 AM – WEYPRECHT LECTURE – Robin Bell (USA) – The Gamburtsev Mountains – an unexplored frontier (introduction by President of SCAR)

10:30 – 11:00 AM – COFFEE BREAK

11:00 – 11:30 AM – Vladimir Lipenkov (Russia). Subglacial Lake Vostok: a new great challenge to the Antarctic Sciences.

11:30 – 12:00 PM – Jerome Chappellaz (France) – The record of past climate change – ice core climate records from the poles

12:00 – 12:30 PM – John Walsh (USA) – Present and future Arctic and Antarctic climate change – a comparison

12:30 – 2:00 PM – LUNCH

2:00 – 2:30 PM – Jean-Claude Gascard (France) – The changing Arctic Ocean – ocean warming and sea ice extent

2:30 – 3:00 PM – Wayne Pollard (Canada) – The affects of climate change in the poles – permafrost, geology, and geomorphology

3:00 – 3:30 PM – Yvon Csonka (Greenland) – Polar societies and cultures in a changing world

3:30 – 4:00 PM – Ian Allison (Australia) – Ice sheet mass balance and sea level

4:00 – 4:30 PM – COFFEE BREAK

4:30 – 5:00 PM – Ulrich Bathmann (Germany) – Polar ocean ecosystems and changing climate

5:00 – 5:30 PM – Eigil Friis-Christensen (Denmark) – Space Weather – Fascinating Science and Auroral Displays

5:30 PM – Plenary Closing Remarks – House keeping, Announcements



SCIENCE SESSIONS AND CHAIRS

July 9–11, 2008

1.0 STATUS AND CHANGE

- 1.1 Earth Structure and Geodynamics at the Poles
Chairs: G. Leitchenkov (RUS) and D. Futterer (GER)
- 1.2 Polar Ocean Processes – Status and Change
Chairs: H. Loeng (NOR) and S. Rintoul (AUS)
- 1.3 Evolving Coastal, Near shore and Shelf Processes in the Polar Regions
Chairs: G. Cherkashov (RUS) and H. Lantuit (GER/EC)
- 1.4 Shrinking Snow and Ice: Rapid Change in the Polar Regions
Chair: V. Kotlyakov (RUS) and R. Bindshadler (USA)
- 1.5 Past, Present and Future Polar Climate Change
Chairs: R. Gersonde (GER) and K. Goto-Azuma (JPN)
- 1.6 Meteorological Processes in the Polar Regions
Chairs: K. Dethloff (GER) and T. Yamanouchi (JPN)

SCIENCE SESSIONS AND CHAIRS (continuation)

1.7 Polar Terrestrial and Freshwater Ecosystems: Status and Change

Chairs: T. Callaghan (SWE/UK) and D. Bergstrom (AUS)

1.8 Polar Marine Ecosystems: Status and Change

Chair: M. Stoddart (AUS), E. Murphy (UK) and I. Ahn (KOR)

1.9 Status and Change in Cultural Heritage Sites in Polar Regions

Chairs: S. Barr (NOR)

1.10 Status and Change in the Polar Regions – General Session

Chair: D. Carlson (IPY PO/UK) and H. Shin (KOR)

2.0 POLAR/GLOBAL LINKAGES

2.1 Coupled Cryosphere/Ocean/Atmosphere Systems

Chair: D. Bromwich (USA) and T. Motoi (JPN)

2.2 Polar/Global Biological Connections

Chairs: R. Drent and H. Moreano (ECU)

2.3 The Sun's Interactions with the Earth's Atmosphere and Electromagnetic Environment

Chairs: K. Kauristie (FIN) and A. Kadokura (JPN)

2.4 Human Linkages: The History of Non-indigenous Peoples in Polar Regions – Impacts and Interactions

Chair: D. Avango (SWE) and M. Bravo (UK)

2.5 Polar/Global Linkages: General Session

Chair: C. Summerhayes (SCAR/UK) and V. Rachold (IASC/SWE)

3.0 A SENSE OF DISCOVERY

3.1 Deep Sub-ice Water, Hydrological Systems and Ice sheet Interactions

Chairs: I. Alekhina (RUS) and M. Kennicutt (US)

3.2 Frontiers in Polar Biology

Chairs: A. Huiskes (NETH), D. Gilichinski (RUS), and S. Kang (KOR)

3.3 Polar Microbes, Genetics, and Molecular Biology

Chairs: T. Naganuma (JPN), J. Baeseman (USA/EC), and S. Lee (KOR)

3.4 Technological Advances and Polar Exploration

Chair: J. Thiede (GER), Y. Naito (JPN), and M. Park (KOR)

3.5 Polar Weather and Climate Forecasting

Chair: M. Beland (CAN) and T. Yamanouchi (JPN)

3.6 Frontiers in Polar Scientific Drilling

Chair: K. Moran (US) and J. Lopez (SPA)

3.7 A Sense of Discovery – General Session

Chair: C. Tweedie (USA/EC) and H. Motoyama (JPN)

4.0 THE POLES AS A VANTAGE POINT FOR OBSERVATIONS

4.1 Polar Observing Systems

Chairs: B. Goodison (CAN) and K. Alverson (GOOS/FRA)

4.2 Astronomy and Astrophysics

Chairs: M. Candidi (ITA) and J. Storey (AUS)

4.3 New Ways of Looking at the Polar World

Chair: T. Mohr (GER), M. Drinkwater, and S. Marenssi (ARG)

4.4 Earth's Magnetic Field: A View from the Poles

Chair: A. Meloni (ITA) and S. Pilipenko (RUS)

4.5 Accessing and Preserving Data as an IPY Legacy

Chair: T. de Bruin (NETH) and M. Parsons (USA)

4.6 The Poles as a Vantage Point for Observations

Chairs: E. Sarukhanyan (WMO/SWZ) and K. Jezek (USA)

5.0 PEOPLE AND RESOURCES AT THE POLES

5.1 People and Change

Chair: E. Andreeva (RUS)

5.2 Harvesting and Exploitation of Polar Biological Resources

Chair: S. Mathiesen (NOR) and M. Fukuchi (JPN)

5.3 Conservation, Tourism, and Visitor Management

Chairs: G. Reck (ECU) and D. H. Walton

5.4 The Role of Native Knowledge in Modern Polar Science

Chairs: V. Gofman (USA) and S. Gearheard (CAN)

5.5 Arctic and Antarctic Archeology

Chair: L. Hacquebord (NETH) and M. Murray (CAN)

5.6 Polar Bridges: Social Scientists and Natural Scientists Working Together

Chairs: G. Hovelsrud (NOR) and I. Gan (AUS)

5.7 Polar History and Institutionalization of Polar Research: The International Polar Years

5.8 People and Resources at the Poles – General Session

Chair: M. Borbor-Cordova (ECU/EC)