



Shaping the Future
of Polar Research



APECS March 2011 Newsletter

APECS is all about building a network of enthusiastic polar researcher, and whether you study social dynamics of indigenous northern communities or track penguins in Antarctica, fieldwork motivates and excites a lot of us in the polar sciences! Which is why the newsletter this month is focusing on fieldwork and how APECS can help you get out into the field and get the most out of it.

On the APECS website you can see information about [APECS members who recently returned from a Students on Ice University Cruise to Antarctica](#), information about [upcoming field schools](#), or contribute to and get information from our [Field Sites Database](#). Of course, we all need funding to get out into the field - so if you're interested to contributing to the [Funding Resources Working Group](#), it's a great way to get involved and learn some valuable information while building an important skill set.

For more about APECS fieldwork - and all the regular polar news, events, jobs, and community that you always see in the APECS newsletter - keep on reading.

Yours in Polar Research,

- Allen Pope, APECS President 2010-2011



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B. Klock



B. Klock



B. Klock

APECS News & Updates

APECS Conference Travel Funds Contest

Contributed by Allen Pope

Do you ever find it challenging to get money to attend international conferences? Wish there were an easier way to find travel funding or funds to cover conference registration? Here's an opportunity to win €500 for exactly that!

As an international organization, many of APECS' most important initiatives are web-based. The content on our website is community-driven – and we want to hear from the entire APECS community so we can guarantee the latest and greatest information is shared with all our members. We would like to ask you to help by posting this to jobs & funding opportunities, posters, events, and polar news articles.

<http://apecs.is/apecs-news/2683-apecs-conference-travel-funds-contest>

Help wanted at AMS Asheville!

Contributed by Julia Schmale

The American Meteorological Society's Board on Societal Impacts is organizing a conference on climate adaptation called: Practical Solutions for a Warming World, 18-20 July 2011, in Asheville, North Carolina.



The conference organizers would be very pleased to host an APECS event. Unfortunately, we don't know if any APECS member is planning to attend this conference who would be motivated to participate in the organization of an APECS panel or social, or who could put up a poster. If you are eager to help "shaping the future of polar research" contact julia.schmale@mpic.de.

<http://apecs.is/apecs-news/2700-help-needed>

APECS Virtual Poster Session on Sediment Budgets in Cold Environments

Contributed by Matt Strzelecki

The APECS Working Group on Sediment Budgets in Cold Environments is hosting a Virtual Poster Session on 24 March, 2011, 18:00 GMT. Professor Achim A. Beylich, the chair of SEDIBUD (Geological Survey of Norway & Norwegian University of Science and Technology) and Dr. Armelle Decaulne (Clermont-Ferrand, France) are invited speakers.

Visit <http://apecs.is/virtual-poster-session/live-sessions> for information on how to join this live session, and watch for future announcements on the APECS website.

APECS and CAFF Sign Memorandum of Understanding

Contributed by Kári Fannar Lárússon

The Arctic Council recognizes in the Tromsø declaration that education, outreach, scientific research and capacity building are major tools via which to address challenges in the Arctic. And on the third of February, during the XIII CAFF Biennial meeting in Akureyri Iceland, a Memorandum of Understanding was signed to strengthen cooperation between the Conservation of Arctic Flora and Fauna (CAFF) working group of the Arctic Council and APECS.

The memorandum was signed by Aevor Petersen CAFF Chair and Sigmar Arnarsson on behalf of APECS.

<http://apecs.is/apecs-news/2710-apecs-and-caff-sign-memorandum-of-understanding>



CAFF & APECS Sea Ice Biodiversity Opportunity

Contributed by Allen Pope

CAFF (Conservation of Arctic Flora and Fauna) and APECS are teaming up to provide more opportunities for early career researchers. CAFF is looking for an APECS member to participate in and contribute to a project entitled "Status and Conservation Issues of Arctic Sea Ice-associated Biodiversity."



The first event associated with this collaboration is a meeting in Vancouver, British Columbia March 22-24. CAFF is especially interested in a fairly local participant, and if possible someone with a food chain

specialist background. Please see the project info below and the workshop invitation here. See the project website here.

The meeting is approaching quickly, so if you're interested in this opportunity, please email apeo0@gmail.com with your CV and a statement of interest by February 21st at the very latest.

<http://apecs.is/apecs-news/2694-caff-a-apecs-sea-ice-biodiversity-opportunity>



APECS News & Updates

Join the SCAR Open Science Conference 2012 Local Organizing Committee

Contributed by Allen Pope

In April 2011, the ICSU-WMO Joint Committee for the International Polar Year (IPY) will publish a summary of IPY activities in which the Committee and associated teams were directly involved. Comprising 38 chapters in five parts (Planning, Research, Observations, Outreach, and Legacies), the report covers the development of IPY 2007–2008 for almost a decade, from 2001 till summer 2010.

It has engaged hundreds of contributing authors from all disciplines and more than 20 nations. This broad overview demonstrates the extensive and essential contribution made by participating nations and organizations, and provides a prospective blueprint for future polar research.

<http://apecs.is/apecs-news/2693-join-the-scar-open-science-conference-2012-local-organizing-committee>



APECS Workshop at the AMAP 2011 Conference



day workshop will be held before “The Arctic as a Messenger for Global Processes - Climate Change and Pollution” in Copenhagen, 3-6 May 2011, hosted by AMAP, the University of Copenhagen and Aarhus University.

<http://apecs.is/workshops/amap-2011>

APECS is happy to announce Shaping the Future of AMAP early career researcher (ECR) workshop presented by APECS in association with AMAP this spring. This one

APECS Workshop at IUGG 2011

27 June 2011

APECS is organizing a Career Development Workshop in association with the General Assembly of the International Union of Geodesy and Geophysics (IUGG; <http://www.iugg2011.com/>) at Melbourne University, Melbourne, Australia on 27 June 2011.



The purpose of the workshop is to bring together early career polar researchers, those interested in starting a polar research project, and senior mentors with the experience to help them. The workshop will consist of plenary lectures, hands-on breakout sessions, and panel discussions.

<http://apecs.is/workshops/iugg-2011>



APECS News (cont.)

Research Sites Working Group

Contributed by Mariette Wheeler

The APECS working group 'Research Sites' intends to set up a database including information about different research field sites and locations around the globe where APECS members are currently working.

This database will help young polar researchers who are planning to undertake research activities in the the remote polar regions. In addition to the typical information (e.g. climate, habitat, major logistics) which are readily available through other organizations, we would like to provide further details to help researchers plan their expedition well in advance.

This includes information about things like:

- the available internet connections
- the available telephone connections
- the best type of clothing to bring
- accommodation (Hostels, private, ...are there showers, do you need sleeping bags, do you need towels...etc)

- the possibilities to buy food and other essentials (e.g. batteries)
- expected costs
- fun stuff to do and recreational facilities available in the area



We will help to share all this great information with APECS members by featuring different research sites in future APECS newsletters, as well as through the APECS website. We are also working to develop a virtual map, including all the research sites the additional information as well as the photos.

It will be fantastic if people can share this information.

If interested, please contact Inga May, the Research Sites Working Group Chair, at i.may@iggf.geo.uni-muenchen.de

Message from the Director

Troll Station - Dronning Maud Land Antarctica

It's been a few exciting weeks for me, and a few other APECS members as we participated in the Students on Ice 2011 University Expedition. We had 3 wonderful weeks that started in Argentina, crashed through the Drake Passage, and explored the amazingly beautiful Antarctic Peninsula - and back again. You can learn more about our very educational trip and how you can get involved in the next expedition at <http://www.uantarctic.org/>.

Being a 'Norwegian' in Antarctica comes with a lot of history. The first person to get to the South Pole was Roald Amundsen, a Norwegian, in 1911, almost 100 years ago. So this seems like a good time to tell you about Norway's Troll Station in Dronning Maud Land.

"Troll is a research station located at Jutulssessen, 235 kilometers (146 mi) from the coast in the eastern part of Princess Martha Coast in Queen Maud Land, Antarctica. It is Norway's only all-year research station in Antarctica, and is supplemented by the summer-only station Tor. Troll is operated by the Norwegian Polar Institute and also features facilities for the Norwegian Meteorological Institute, the Norwegian Institute for Air Research and a satellite downloading dome run by Kongsberg Satellite Services.

Contrary to most other research stations on the continent, Troll is constructed on the snow-free slope of solid rock breaking through the ice sheet at Jutulssessen, located 1,275 meters (4,183 ft) above mean sea level. The station opened as a summer-only station in 1990 and was taken into use as an all-year station in 2005. It has an overwintering capacity of eight people and a summer capacity of 40. It is served by Troll Airfield, which is the base for the Dronning Maud Land Air Network."

-- Source: http://en.wikipedia.org/wiki/Troll_%28research_station%29

For more information on the station and the research conducted there: <http://npweb.npolar.no/english/subjects/1167816415.8>

<http://apecs.is/leadership/international-directorate/a-great-norwegian-life/2763-troll-station>





J. Baeseman

Students on Ice has been creating educational opportunities for students, educators, and scientists in the polar regions for ten years. The non-profit is based in Canada but organizes expeditions to both polar regions, and is gathering awards and international recognition for their efforts.

Their latest expedition to the Antarctic recently ended, and is profiled below. For descriptions of the past expeditions, information on supporting this amazing non-profit organization, and opportunities with future expeditions, please visit <http://www.studentsonice.com/>.

The many of the wonderful images in this issue are courtesy of Bruce Klock and APECS is grateful for his permission to use the images and share on the great experience of the Students on Ice Antarctic University 2011.

Chapuis and May with Students on Ice Antarctic Expedition (SOI) Youth Expedition 2010/2011

Contributed by Inga May

During this winter Anne Chapuis from the Norwegian University of Life Sciences (Norway) and Inga May from the University of Munich joined the education team of the Students on Ice Antarctic Expedition Youth Expedition (<http://www.studentsonice.com/antarctic2010/index.html>), one of the most exciting and important contributions to the International Year of Youth and the International Year of Biodiversity.

The journey started in Buenos Aires, after some trouble due to the snow storm in New York, where the group met first and continued their trip with the plan to Ushuaia. Ushuaia is the most southern city in the world and most of the Antarctic expeditions leave here to pass the Drake Passage and finally reach Antarctica. Here the entire group – about 80 people – set sail the 30 of December and head South. During the expedition the students were supervised by a team of scientists and chaperons.

Anne and Inga were together responsible for the glaciology part of the education program and shared their knowledge with the students during several hands-on activities, workshops and lectures.

The highlight was probably the sampling of some ice cores drilled at the so-called Koerner Ice Cap – named after the well-known glaciologist Fritz Koerner – who initially started some years ago with SOI to study these ice caps.



I. May

Of course they also joined the lectures and workshops of all the other team members and hence got lots of information about birds and mammals in the Antarctic, the Antarctic treaty, plankton in the oceans and so on.

You can also see their journey at <http://www.studentsonice.com/antarctic2010/>

<http://apecs.is/apecs-news/2724-chapuis-and-may-with-students-on-ice-antarctic-expedition-soi-youth-expedition-20102011>



Feature – Students on Ice

APECS Returns from 2011 Students on Ice Antarctic University Expedition

Contributed by Jenny Baeseman



Silje-Kristin Jensen, Calista Morrison and Jenny Baeseman represented APECS on the Students on Ice 2011 University Expedition to the Antarctic Peninsula. The expedition ran from 14 - 27 February and included students from over 15 countries and 25 Universities. The trip took them to the bottom

of the world starting in Ushuaia, Argentina surrounded by the mountains in Tierra del Fuego to 'Iceberg Alley' and the UK Antarctic Heritage Trust's Port Lockroy and many places in-between... including the dreaded Drake Passage.

The amazing ice-bergs, calving glaciers, playful fur seals, and curious penguins were only part of the exciting adventure. The expedition included 6 different upper level undergraduate/ masters level courses on a variety of topics taught by wonderful professors. Eric Galbraith and his team from McGill University looked at Antarctica and the Earth System, specifically the important role the Southern Ocean plays in moderating global climate. The discovery of the K/T Boundary and

other great geologic formations and paleoclimate reenactments were part of the course by Claudia Schröder-Adams and Natalia Rybczynski from Carleton University. Luke Copland from the University of Ottawa and Jeff Kavanaugh from the University of Alberta and their students looked at glaciers, ice-sheets and every other form of frozen water. The group from St. Andrews

University, led by Sonja Heinrich, watched the behavior of top predators in the Antarctic Marine Ecosystem and were always around to help spot whales on the horizon. Hans Gelter and his ladies from Luleå University in Sweden held a class on Antarctic Tourism and were assessing how students viewed the Coldest Continent.



L. May

In addition to the great courses, and inspiring lectures, many other Polar Leaders and explorers were on hand to mentor the participants - including the youngest Canadian to climb Mt. Everest and seasoned polar naturalist Olle Carlsson from Sweden.

To find out more about this exciting expedition, read the daily journal of the participants, and watch the great videos from the courses, visit <http://www.uantarctic.org/>.

<http://apecs.is/apecs-news/2772-soi-2011-uant>





J. Baeseman



J. Baeseman



J. Baeseman

Partner News & Updates

UArctic 10 Years - A History



This year provides an opportunity to look back on the ten years since the launch of the University of the Arctic in 2001.

Yet the history of UArctic actually goes back further, to a proposal made to the Senior Arctic Officials of the Arctic Council to look into the establishment of an 'Arctic university.' The subsequent work

performed by the Circumpolar Universities Association laid the groundwork for the network and activities that exist today.

<http://apecs.is/apecs-news/2658-uarctic-10-years--a-history>

Young Professionals Photo Exhibition

Contributed by Allen Pope

Natural hazards through the young scientist's eyes - 2011

The main idea of the exhibition is to show the negative effects of geological processes (engineering, social, environmental) through the pictures. The exhibition will demonstrate relevance and significance of engineering geology for territory protection under natural and anthropogenic hazards and focus attention of young generation of researchers on these issues. It is extremely important for the photographs taken to be as informative as possible so that they may be used in reports, presentations, articles, books and for educational purposes.

<http://apecs.is/apecs-news/2663-young-professionals-photo-exhibition>

Miami Science Museum looking for polar science talks

Contributed by Lindsay Bartholomew

The Miami Science Museum has a NASA-funded program called Youth EXPO, and is in need of research scientists to speak virtually to the students in the program.

We are looking for a few speakers, specifically in the areas of (but not limited to) paleoclimatology, ice/sediment coring, glaciology, etc, to speak to the students "in-world" through Second Life.

<http://apecs.is/apecs-news/2669-miami-talks>



Jakobsson Awarded 2011 IASC Medal

Contributed by Allen Pope

The International Arctic Science Committee (IASC) (<http://iasc.arcticportal.org>) is proud to announce that the IASC Medal 2011 will be awarded to Professor Martin Jakobsson.

Martin Jakobsson represents a new generation of Arctic scientists for whom multinational and cross-disciplinary science comes naturally. His view that data should be open and accessible for all research is part of his success as illustrated by the wide use of the IBCAO digital bathymetric map of the Arctic Ocean. This beautiful map, which is fundamental to our understanding of the Arctic, has been cited in several thousand publications in areas such as oceanography, tectonics and palaeo-climate.

The medal will be presented by the IASC President, David Hik, on 29th March 2011 at the Arctic Science Summit Week 2011 in Seoul (Korea) (http://www.assw2011.org/assw2011/sub_01.php). The award ceremony will be followed by a 30 minute lecture from the awardee.

<http://apecs.is/partner-news/2733-jakobsson-awarded-2011-iasc-medal>



J. Baeseman



Meetings & Workshops

Arctic Science Summit Week 2011

28 March - 1 April 2011



For the second time, the ASSW will include not only annual meetings of the Arctic organizations, but also an exciting international science symposium. The symposium, organized under the aegis of the International Arctic Science Committee, is the main venue for arctic science and is held every two years. It will take place on March 28 – April 1, 2011 in Seoul, Korea.

The day prior to the start of the Science Conference, the Association of Polar Early Career Scientists (APECS) will organize a career development workshop to help young researchers learn important skills and create new collaborations and contacts with both early career colleagues and senior mentors. The workshop will include presentations on Arctic Science organizations and programs, helpful tools and advice for young researchers as they start their careers, hands on training in effectively presenting and communicating research results and maximizing publication potential.

For further information, please visit:

- <http://www.assw2011.org>
- <http://apecs.is/events/details/296-arctic-science-summit-week-apecs-reception-workshop-and-networking-events>

Career Development Panel at the Conference on Polar Meteorology

3 May 2011

The Association of Early Career Polar Scientists (APECS) will host an evening panel discussion at the 11th Conference on Polar Meteorology and Oceanography in Boston, MA on 3 May 2011. Early career scientists are invited to ask panelists questions about a variety of topics related to choosing the right career path, writing better research grants, tips to make yourself more attractive to potential employers, balancing family and career, and any other topics relevant to young scientists. Panelists will comprise a variety of scientists in a number of different fields in varying stages of their careers. This will be a great opportunity for networking and meeting other scientists in the field. Early career scientists are encouraged to attend. For further information, please contact Shelley Knuth (shelley.knuth@colorado.edu) or Melissa Nigro (melissa.nigro@colorado.edu).

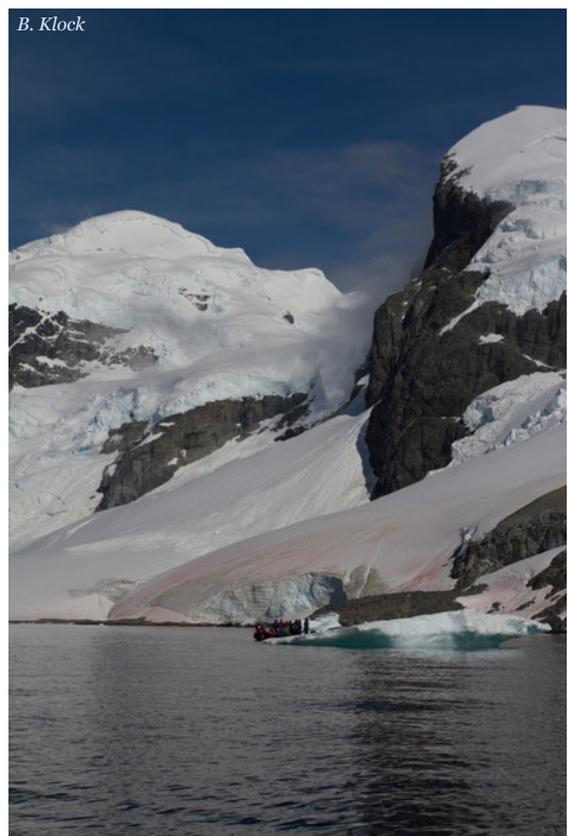
2 APECS PORTUGAL workshop

11 April 2011

In 2011, we wish to stimulate the education of polar early career scientists from Portugal. An APECS Portugal workshop will take place at the University of Coimbra on 11 April 2011. Its goals are fairly straight forward: who does polar science, what early career scientists are doing, understand their goals for the future as well as their strategy to achieve it. Also job, scholarships and thesis opportunities will be discussed. It will have the presence of the Executive Director of the Scientific Committee for Antarctic Research (SCAR) Mike Sparrow. It will be a great day for Portugal Polar Science!

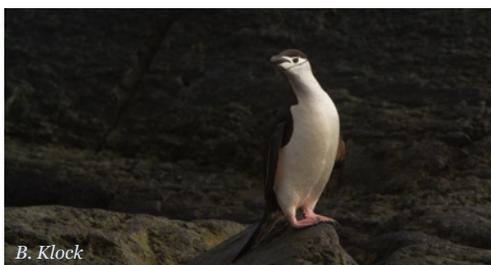


<http://apecs.is/events/details/341-2-apecs-portugal-workshop>





B. Klock



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Meetings & Workshops

APECS Workshop at the AMAP 2011 Conference

3 – 6 May 2011



APECS is happy to announce Shaping the Future of AMAP early career researcher (ECR) workshop presented by APECS in association with AMAP this spring. This one day workshop will be held before "The Arctic as a Messenger for Global Processes - Climate Change and Pollution" in Copenhagen, 3-6 May 2011, hosted by AMAP, the University of Copenhagen and Aarhus University.

AMAP is an international organization established in 1991 to implement components of the Arctic Environmental Protection Strategy (AEPS). Now a programme group of the Arctic Council, AMAP's current objective is "providing reliable and sufficient information on the status of, and threats to, the Arctic environment, and providing scientific advice on actions to be taken in order to support Arctic governments". If you are interested in Arctic environments this workshop will help you learn about how science and policy work together in this area.

The workshop will take place at the University of Copenhagen on May 3rd and will introduce early career researchers to AMAP as an organization that communicates science to policy makers and others. ECR and AMAP mentors will discuss the different fields of science AMAP is interested in, and ECR will work together for formulate a message of their concerns for future directions of study in AMAP. All workshop participants are encouraged to take part in the workshop and in the larger meeting from May 4th to 6th.

Limited travel funds will be available for early career researchers on a competitive basis, with priority for those who have submitted an abstract to the meeting (please submit abstract to amap@amap.no - for questions on funding contact Jennifer Provencher).

<http://apecs.is/workshops/amap-2011>

APECS Panel at the International Symposium on Interactions of Ice Sheets and Glaciers with the Ocean

5 - 10 June 2011

More details to come in the new year, but definitely look forward to an APECS presence at the 2011 International Glaciology Society Symposium (<http://www.igsoc.org/symposia/2011/California/>).



Call for Abstracts: ICASS VII 2011, Akureyri, Iceland

22 - 26 June 2011

ICASS VII: Circumpolar Perspectives in Global Dialogue: Social Sciences Beyond the IPY



The Seventh International Congress of Arctic Social Sciences (ICASS VII), to take place in Akureyri, Iceland, June 22-26, 2011, hereby calls for individual paper and poster proposals.

A special paper and poster abstract submittal form together with a more complete list of sessions and themes can be found at the website of IASSA <http://iassa.org/icass-vii>

Submission Deadline: December 20, 2010

<http://apecs.is/apecs-news/2246-call-for-abstracts-icass-vii-2011-akureyri-iceland>

If you know of a conference coming up and would like to organize an APECS meeting, we are happy to help you, just let us know (apecsinfo@gmail.com). Organizing a meeting is a great way to gain experience and meet senior researchers who can help in the next steps of your career. For more events, including upcoming summer field schools with open applications, visit <http://apecs.is/events>.



Meetings & Workshops

APECS Workshop at IUGG 2011

27 June 2011

APECS is organizing a Career Development Workshop in association with the General Assembly of the International Union of Geodesy and Geophysics (IUGG; <http://www.iugg2011.com/>) at Melbourne University, Melbourne, Australia on 27 June 2011.



The purpose of the workshop is to bring together early career polar researchers, those interested in starting a polar research project, and senior mentors with the experience to help them. The workshop will consist of plenary lectures, hands-on breakout sessions, and panel discussions.

<http://apecs.is/workshops/iugg-2011>

APECS at the 11th International Symposium on Antarctic Earth Sciences (ISAES XI)

10 – 16 July 2011



The International Symposium on Antarctic Earth Sciences (ISAES) promises to be one of the major events in the polar science calendar of 2011, and APECS and the UK Polar Network will be there in force!

As well as reduced conference registration fees, funding support is also available for Early Career Researchers thanks to ISAES and supported by the Scientific Committee on Antarctic Research (SCAR) to part-cover travel and accommodation expenses. This will be allocated using the Funding Support Application Form on the ISAES website, so make sure you download and fill this in and email it to S.F.Henley@sms.ed.ac.uk when you submit your abstract.

To be eligible for this funding support, you must be a PhD student or a post-doc or academic staff still within three years of PhD completion. Full instructions are given on the ISAES 2011 website (<http://www.isaes2011.org.uk/earlycareer.html>).

Tenth International Conference on Permafrost: First Circular and Expression of interest

25-29 June 2012

Help us shape the conference by registering your interest at: <http://bit.ly/TIPCOF>

The International Permafrost Association and the Tyumen Oil and Gas University are excited to present the first circular on the Tenth International Conference on Permafrost, to be held in June 2012 for the first time in Russia since 1973. The International Conference on Permafrost, held every four years, is the premier venue for all research related to permafrost.

You will find the first Circular for the conference online at: http://ipa.arcticportal.org/images/stories/ticop_first_circular.pdf. The circular outlines the themes proposed for the sessions, the abstract policy, the registration, and the excursions planned around the conference.

<http://apecs.is/apecs-news/1866-ticop-expression-of-interest>



1st Circular out for IPY 2012 Montréal

22 - 27 April 2012



The steering committee for the IPY 2012 Conference in Montreal, Canada, April 22 - 27, has announced its first circular. Join us in an exciting dialogue on the highlights and synthesis of polar research and how this new knowledge can be used to advance programs, policies and actions on critical global issues, such as human and environmental health, biodiversity, resource development and marine transportation, to name a few.

<http://apecs.is/apecs-news/2277-1st-circular-out-for-ipy-2012-montreal>



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Career Development Webinars

The Association of Polar Early Career Scientists (APECS) is currently working with mentors and partners to develop a webinar series for our members in order to assist them with their career development goals. This online lecture series is a joint effort between APECS, US NSF ARCSS Thermokarst Project (<http://thermokarst.psu.edu/>), and the University of Canterbury (<http://www.canterbury.ac.nz/>).

The schedule of upcoming webinars and access to recordings of previous webinars are available on the APECS website (<http://apecs.is/webinars>).

Some recent webinars, and links to recordings, are listed below.

Communicating with the Public About Climate Change

Terry Chapin, Professor of Ecology, Institute of Arctic Biology, University of Alaska Fairbanks

Climate change is a hot topic of discussion amongst researchers as well as the general public. In this webinar, Dr. Chapin discusses the need for scientists to be more effective communicators in climate change science to different audiences.

<http://apecs.is/webinars/videos/2655-20110125-chapin>

Publishing and Reviewing Journal Papers

Rudi Gens, Remote-Sensing Scientist, Alaska Satellite Facility, University of Alaska Fairbanks

Publishing journal papers is a key method of communicating your results to a broader audience and an important step in building both your CV and the body of literature in your discipline. This webinar will offer tips for getting your papers published by peer-reviewed journals and things to think about when reviewing papers by other researchers.

<http://apecs.is/webinars/videos/2665-20110201-gens>

Working with the Media

David Vaughan, British Antarctic Survey

The media can serve as a tool to amplify communication of your work, or it can accidentally distort your research results when translating it into layman's terms. This webinar will help you work productively with the Media.

<http://apecs.is/webinars/videos/2690-20110208-vaughan>

Selling your best assets: Conducting a successful interview

Benjamin Crosby, Assistant Professor, Department of Geosciences, Idaho State University

Interviewing for a faculty position is like an academic marathon--from the first round of interviews to the on-site interviews which usually includes a public lecture, a teaching lecture, and face to face time with an array of people. This webinar will give tips to highlight the strengths of your candidacy during the interview process.

<http://apecs.is/webinars/videos/2716-20110220-crosby>

Non-academic or alternative careers in polar research

Faustine Bernadac, Polar Field Services

Kristina Creek, ARCUS

Dorte Dissing, ABR Environmental Research and Services

Kriss Rokkan Iversen, SALT, Norway

Angela Matz, U.S. Fish & Wildlife Service

After spending so much time at university, some of us may not be able to comprehend life outside of it. This panel of speakers will discuss career opportunities in polar science outside the university setting.

<http://apecs.is/webinars/videos/2752-20110222-alternative-careers>

Designing your research questions

Breck Bowden, Patrick Professor of Watershed Science and Planning and Director of the Vermont Water Resources and Lake Studies Center, University of Vermont

Good research begins with well-designed research questions. This webinar will focus on the elements of good research questions in the context of a well-written proposal. This is the first part of a two part series looking at designing research questions and methods

<http://apecs.is/webinars/videos/2758-20110301-bowden>



Virtual Poster Session

This effort focuses on bringing the concept of the poster presentation beyond the four walls of the conference hall and creates an online database of polar research poster publications. This project allows members with similar goals and interests to exchange information on Arctic, Antarctic and Cryospheric research, policy, and education activities.

Please visit <http://www.apecs.is/virtual-poster-session> to view these new posters and all contributions.

Securing safe passage in a warming Arctic: sustainable development of shipping along the Northwest Passage

Contributed by: Rebecca Klady

Polar continental shelves. Claims and exploitation of mineral sea resources. A comparative analysis

Contributed by: Danilo Comba

Reliability, accuracy, and tracking techniques of Inuit hunters in estimating polar bear characteristics from tracks

Contributed by: Pamela Wong

Subsistence Use and Knowledge of Beaufort Sea Salmon

Contributed by: Shelley Woods

Year-to-year and spatial variability of Greenland halibut feeding in the Barents Sea

Contributed by: A. N. Benzik

Little auk hunting for prey - what happens to the chicks?

Contributed by: Johanna Hovinen

Life history in *Leptagonus decagonus* (Atlantic poacher) in Svalbard waters

Contributed by: Kristin Heggland

Further north: mapping *Calanus* spp. distribution and sea water temperature in NW Spitsbergen Shelf at summer 2009 & 2010

Contributed by: Emilia Trudnowska

Do we underestimate *Calanus glacialis*? - a study in a high Arctic fjord

Contributed by: Benjamin Merkel

Interannual variabilities of physical parameters in the Hornsund Fjord

Contributed by: Prominska Agnieszka

Modern foraminiferal assemblages as bioindicators of recent hydrological changes in Hornsund fjord (Svalbard)

Contributed by: Magdalena Lacka

Increasing tree abundance may prime a loss of soil organic matter through carbon allocation to ectomycorrhizal fungi in the subarctic-alpine forest-heath ecotone

Contributed by: Karina Engelbrecht Clemmensen

Current distribution of thermo-erosion gullies and implication for the hydrological regime of wetlands, Bylot Island, Nunavut, Canada

Contributed by: Etienne Godin

Reconstructing and analyzing the fluctuations of Glacier Esperanza Norte, Wet Andes, Argentina, since the Little Ice Age

Contributed by: Lucas Ruiz



The Virtual Poster Session is sponsored by:

<http://www.norden.org/en>



Jobs & Positions

Please visit the APECS website (<http://apecs.is/jobs>) for many more position announcements and career development opportunities. For details on each position, follow the hyperlink to the position on the website.

Postdocs and grad students in hydrologic modeling, watershed biogeochemistry, and climate change

Michigan State University, East Lansing, Michigan, U.S.A.
Posted by: Jenny Fisher

Met. Officer and Climate Scientist

National Environmental Agency, Singapore
Posted by: Jenny Fisher

Postdoctoral or PhD position available: Ice-sheet modelling and coupling to mass-balance models, University of Lapland, Finland

University of Lapland, Rovaniemi, Finland
Posted by: Martina Schäfer

Predoctoral fellow

Oceanographic Center Gijon, Gijon, Asturias, Spain
Posted by: Tosca Ballerini

Field Assistants

British Antarctic Survey, Cambridge, U.K. (& Antarctica)
Posted by: Eleanor Darlington

Postdoc Ice Sheet Modeling and Radar Data Analysis

University of Bergen, Bergen, Norway
Posted by: Nikolas Selheim

Associate Professor at the Global Change and Ecosystem Center at the University of Utah

University of Utah, Salt Lake City, Utah, U.S.A.
Posted by: Francisco Fernandez

Geological CO₂ Storage Geochemistry

Department of Geoscience, University of Calgary, Calgary, Alberta, Canada
Posted by: Francisco Fernandez

Seasonal Archaeologists

Center for Environmental Management of Military Lands, Fairbanks, Alaska, U.S.A.
Posted by: Nikolas Selheim

Plant Technicians/Operators

British Antarctic Survey, Cambridge, U.K. (& Antarctica)
Posted by: Eleanor Darlington

Wintering Communications Manager

British Antarctic Survey, Cambridge, U.K. (& Antarctica)
Posted by: Eleanor Darlington

Post Doctoral Research Scientist - Ice Algae

Lamont-Doherty Earth Observatory, Columbia University, Palisades, New York, U.S.A.
Posted by: Alexey Pavlov

Antarctic Meteorologist

British Antarctic Survey, Cambridge, U.K.
Posted by: Eleanor Darlington

Internship in Physical Oceanography

AOML (Miami, Florida), GFDL (Princeton, New Jersey), or PMEL (Seattle, Washington), U.S.A.
Posted by: Julia Schmale

Assistant Professor in Near-Surface Geophysics

Boise State University, Idaho, U.S.A.
Posted by: Oliver Marsh

Associate Professorship in Ice and Climate Research

Niels Bohr Institute, University of Copenhagen, Copenhagen, Denmark
Posted by: Francisco Fernandez

Earth science faculty position

Concordia University, Chicago, Illinois, U.S.A.
Posted by: Francisco Fernandez

2 PhD student positions in remote sensing/mass balance modeling in Alaska

University of Fairbanks, Fairbanks, Alaska, U.S.A.
Posted by: Francisco Fernandez



Jobs (cont.)

Electronics Engineer

British Antarctic Survey, Cambridge, U.K.
Posted by: Silje-Kristin Jensen

Postdoc position in Paleoenvironmental history

Alfred Wegener Institute for Polar and Marine Research,
Bremerhaven, Germany
Posted by: Jenny Fisher

Post-Doctoral Position in Earth System Modeling to Inform Decision Making

Penn State University, Pennsylvania, U.S.A.
Posted by: Jenny Fisher

Faculty Position in Meteorology

The University of Oklahoma, Norman, Oklahoma, U.S.A.
Posted by: Jenny Fisher

Research Experience for Undergraduates: Gulf of Maine and the World Ocean

Bigelow Laboratory for Ocean Sciences, Gulf of Maine, Maine,
U.S.A.
Posted by: Sam Rastrick

Postdoctoral Fellowship in Wildlife Conservation Planning for Climate Adaptation

Yale University, New Haven, Connecticut, U.S.A.
Posted by: Jenny Fisher

Junior Professional Officer

Climate and Water Department, WMO Meteorological
Organization, Geneva, Switzerland
Posted by: Julia Schmale

PostDoc in ocean acidification

Leibniz Institute Marine Sciences, Kiel, Germany
Posted by: Tosca Ballerini

PostDoc in biogeochemical models

Leibniz Institute of Marine Sciences, Kiel, Germany
Posted by: Tosca Ballerini

Graduate Research Position in Experimental Tree-Ring Science

University of Nevada, Reno, Nevada, U.S.A.
Posted by: Tosca Ballerini

PostDoc Paleoenvironmental history Chile-Peru current

Marine Geology Section, Alfred Wegener Institute, Bremerhaven,
Germany
Posted by: Tosca Ballerini

Phd in hygroscopicity and volatility of sub-micron particles

University of Helsinki, Helsinki, Finland
Posted by: Jenny Fisher

Masters in Earth System Science

University of Bristol, Bristol, U.K.
Posted by: Silje-Kristin Jensen

Research Assistant - Climate Effects Monitoring Program

Asiaq, Greenland Survey, Nuuk, Greenland
Posted by: Nikolas Sellheim

Tenure position of Associate Professor at LGGE

The Laboratory of Glaciology and Environmental Geophysics,
Grenoble, France
Posted by: Francisco Fernandez

Teaching faculty position in Environment and Sustainability

University of British Columbia, Vancouver, British Columbia,
Canada
Posted by: Jenny Fisher

PhD Studentships 2011 Life in The Cold: Survival in and Adaptations to an Extreme Environment

University of Leeds, Leeds, U.K.
Posted by: Liane G. Benning

Postdoc in Atmospheric Sciences

Lawrence Berkeley National Laboratory, Berkeley, California,
U.S.A.
Posted by: Jen Rhemann



B. Klock



B. Klock



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Jobs (cont.)

PhD Fellowship - Indigeneity Beyond Boundaries

University of Tromsø, Tromsø, Norway
Posted by: Nikolas Selheim

Senior Systems Engineer

Scottish Association for Marine Science, Scotland
Posted by: Keith Jackson

Call for Helmholtz Young Investigator Group 2011

Alfred Wegener Institute for Polar and Marine Research,
Bremerhaven, Germany
Posted by: Mare Pitt

Full/ Associate Professor in arctic terrestrial ecology

University Centre in Svalbard, Svalbard, Norway
Posted by: Mare Pitt

Tenure-track faculty position in Synoptic Meteorology

San Jose State University, San Jose, California, U.S.A.
Posted by: Jenny Fisher

Environmental Chemist visiting position

Haverford College, Haverford, Pennsylvania, U.S.A.
Posted by: Jenny Fisher

Director of Research & Research Assistant Professor

Mount Washington Observatory and Plymouth State University,
Plymouth, New Hampshire, U.S.A.
Posted by: Jenny Fisher

Post Doctorate in Aerosol Chemistry

Pacific Northwest National Laboratory, Richland, Washington,
U.S.A.
Posted by: Jenny Fisher

Postdoctoral Fellowship in Regional Climate Modeling

New York University, New York City, New York, U.S.A.
Posted by: Mike Dinniman

Environmental Studies Assistant Professor

Central Washington University, Washington, U.S.A.
Posted by: Jenny Fisher

Marie Tharp Fellowship

Columbia University, Palisades, New York, U.S.A.
Posted by: Jenny Fisher

Ice Dynamics derived from englacial Radar reflection

Laboratoire de Glaciologie, Université Libre de Bruxelles,
Brussels, Belgium
Posted by: Francisco Fernandez

PhD student position in glacier hydrology

Faculty of Earth Science, University of Iceland, Reykjavik, Iceland
Posted by: Francisco Fernandez

13 PhD and 2 postdoc positions available through Topomod

Europe
Posted by: Francisco Fernandez

Herchel Smith Postdoctoral Research Fellowship in Paleo-Ocean Processes

University of Cambridge, Cambridge, U.K.
Posted by: Jenny Fisher

Meteorologists

National Meteorological Service, Wellington, New Zealand
Posted by: Jenny Fisher

Carbon Cycle Modeller

CSIRO, Melbourne, Australia
Posted by: Jenny Fisher

Lecturer in Sustainable Development

St. Andrews University, St. Andrews, Scotland
Posted by: Jenny Fisher

Lecturer in Environmental Change

St. Andrews University, St. Andrews, Scotland
Posted by: Jenny Fisher

Chemistry/Climate post doc

Harvard University, Cambridge, Massachusetts, U.S.A.
Posted by: Jenny Fisher



B. Klock



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Jobs (cont.)

Geographic Information Systems Specialist

National Park Service, Fairbanks, Alaska, U.S.A.

Posted by: Nikolas Selheim

Internship Opportunity

International Barents Secretariat, Kirkenes, Norway

Posted by: Nikolas Selheim

OPEC Fund for International Development (OFID)

Scholarship Award

Posted by: Allen Pope

Graduate Student Scholarships

University of Alaska Fairbanks, Fairbanks, Alaska, U.S.A.

Posted by: Nikolas Selheim

Student Opportunity

Northern Periphery Secretariat, Copenhagen, Denmark

Posted by: Nikolas Selheim

Postdoctoral Fellowship Antarctic and Southern Ocean Regional Climate Modeling

New York University, New York, New York, U.S.A.

Posted by: Nikolas Selheim

Special Advisor Aboriginal Affairs

Memorial University, St. John's, Newfoundland, Canada

Posted by: Nikolas Selheim

Educational Officer

International Polar Foundation, Brussels, Belgium

Posted by: Isabelle Du Four

Newton International Fellowships

Posted by: Allen Pope

Doctorate Positions in Arctic Geophysics

University Centre in Svalbard, Svalbard, Norway

Posted by: Nikolas Selheim

Research Scientist - Atmospheric and Climate Change

Norwegian Institute for Air Research, Kjeller/Oslo, Norway

Posted by: Jenny Fisher



APECS Leadership

APECS is lead by a wonderful group of early career researchers from around the globe. The Executive Committee are responsible for many of the activities as well as overall direction of the organization. The Executive Committee are all members of the Council and highlighted in bold below. The Council is responsible for the strategic direction of APECS and Council members serve a vital role in facilitating communication between the Executive Committee, the Director, and the membership. For more information on the APECS leadership, and perhaps how to join, please visit <http://www.apecs.is/leadership>.

Tosca Ballerini
 Punyasloke Bhadury
 Claudia Maturana Bobadilla
 Erli Costa
 Eleanor Darlington
 Bryany Denning
 José Araos Espinoza
 Francisco Fernandoy
Gerlis Fugmann
 Jenny Fisher
 Emily Jateff
 Silje-Kristin Jensen
 Kim Jochum
 Dubrava Kirievskaya
 Sílvia Lourenço
 Inga May

Oliver Marsh
 Alexey Pavlov
Allen Pope
Angelika Renner
 Jennifer Rhemann
 Julian Schmale
 Nikolas Selheim
Suhas Shetye
 Matt Strzelecki
 Alexandra Taylor
 Rosa Rut Thorisdottir
 Begoña Vendrell-Simón
 Anna Wagner
 Penelope Wagner
Mariette Wheeler
 Yulia Zaika



New Members

This month we had 90 new members from 18 countries. Welcome to APECS and we look forward to working with you to shape the future of polar research.

Katrina Adams – Undergraduate
– Marine & Freshwater Biology Canada

Nadejda Alexandrova – Undergraduate
– Cryology & Glaciology Russia

Andolsa Arevalo – Doctoral Student
– Meteorology & Atmospheric Sciences New Zealand

Archana Bali – Doctoral Student
– Biodiversity United States

Sarah Barket United Kingdom

Katrin Bentel – Doctoral Student
– Geosciences Norway

Faustine Bernadac United States
– Environmental Science

Fiammetta Borgia – Teacher
– Law Italy

Alex Brooker – Undergraduate
– Cryology & Glaciology Canada

Andrea Buckman – Postdoctoral
Researcher
– Toxicology Canada

Mauricio Calderón – Research Scientist
– Geology Chile

Karley Campbell – Masters Student
– Environmental Science Canada

Andree-Sylvie Carbonneau – Masters
Student
– Geosciences Canada

Caroline Clason – Doctoral Student
– Cryology & Glaciology Canada

Thomas Cullen – Masters Student
– Paleontology Canada

Michel Desjardins – Undergraduate
– Geology Canada

Christopher Donaldson – Undergraduate
– Environmental Science United Kingdom

Jonathan Doyle – Research Scientist
– Meteorology & Atmospheric Sciences Canada

Laura Drudi – Doctoral Student
– Medicine Canada

Thorben Dunse – Doctoral Student
– Cryology & Glaciology Norway

Dafne Eerkes-Medrano – Doctoral
Student
– Zoology Canada

Jannike Falk-Petersen – Doctoral
Student
– Fisheries Norway

Shannon Fargey – Doctoral Student
– Meteorology & Atmospheric Sciences Canada

Nadezhda Filimonova – Masters
Student
– International Relations Sweden

James Forsyth
– Environmental Science United Kingdom

Pascale Gosselin – Masters Student
– Geosciences Canada

Carolina Isabel Galleguillos de la Paz –
Masters Student Chile

Erla G. Hafsteinsdottir – Doctoral
Student
– Environmental Science Australia

Timothy Hodson – Masters Student
– Geology United States

Silke Höfle – Doctoral Student
– Geosciences Germany

Jennifer Jackson – Research Scientist
– Biodiversity United Kingdom



B. Klock



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New Members

Tiphaine Jeanniard-du-Dot – Doctoral Student
– Zoology Canada

Maria Jensen – Undergraduate
– Anthropology Denmark

Robert Johnson – Doctoral Student
– Oceanography Australia

Nuraan Khan – Postdoctoral Researcher
– Biodiversity South Africa

Kirill Kivva – Masters Student
– Oceanography Russia

Rebecca Klady – Doctoral Student
– Ecology Canada

Edith Korger – Doctoral Student
– Geosciences Germany

Susanne Kortsch – Ecology Norway

Piotr Kupiszewski – Masters Student
– Geosciences Sweden

Minka Labba – Masters Student Finland

James Lawson – Undergraduate
– Ecology United Kingdom

Gareth Lord – Undergraduate
– Geology United Kingdom

Silje Mæhre – Masters Student
– Toxicology Norway

Francisco Martinez – Undergraduate
– Engineering Chile

Aleksey Maslakov – Masters Student
– Ecology Russia

Andrew Mercer – Doctoral Student
– Cryology & Glaciology Sweden

Maciej Miernecki – Research Scientist
– Meteorology & Atmospheric Sciences Poland

Katlin Miller – Undergraduate
– Zoology United States

Ravi Mishra – Research Scientist
– Geosciences India

Parashar Mishra – Doctoral Student
– Geology India

Julie Mushynsky – Masters Student
– Anthropology Australia

Jozef Nissimov – Doctoral Student
– Microbiology United Kingdom

Karin Ohman – Masters Student
– Geology United States

Tuomas Palenius – Undergraduate
– Human & Public Health Finland

Evgeny Panchenko – Masters Student
– Environmental Science Russia

Dmitry Petrenko – Doctoral Student
– Engineering Russia

Lukasz Dominik Pierepioka – Undergraduate
– Medicine Poland

Rebecca Pirtle-Levy – Doctoral Student
– Oceanography United States

Douglas Pohl – Engineering United States

Hugo Pozzolini – Undergraduate
– Oceanography Brazil

Daniel Pregler – Undergraduate
– Geosciences Germany

Benoit Pugin – Doctoral Student
– Microbiology Chile

Francisca Quiroz – Masters Student
– Engineering Chile

Anastasia Radosteva – Undergraduate
– Cryology & Glaciology Russia



New Members

Silje Ramsvatn – Doctoral Student
– Marine & Freshwater Biology Norway

Natalia Ribeiro Santos – Undergraduate
– Oceanography Brazil

James Roberts – Doctoral Student
– Fisheries United Kingdom

João Carlos Rodrigues Cabral – Undergraduate
– Human & Public Health Brazil

Julia Rosen – Doctoral Student
– Geology United States

Will Russell – Masters Student Canada

Andrea Schneider – Masters Student
– Geosciences Germany

Tino Schott – Doctoral Student
– Ecology Norway

Fabio Schroeder – Masters Student
– Oceanography Brazil

Ian Scriver – Masters Student Canada

Tiago Segabinazzi Dotto – Undergraduate
– Oceanography Brazil

Sanjeet Sharma – Masters Student
– Geology India

Isaac Sleadd – Doctoral Student
– Marine & Freshwater Biology United States

Lacey Smith – Undergraduate
– Environmental Science United States

Rodrigo Soteres – Undergraduate
– Environmental Science Spain

Tamara Stolbova – Masters Student
– Remote Sensing Russia

Tim Straka – Teacher
– Environmental Science Canada

Mubin Sultan – Social Sciences India

Aradhna Tripathi – Faculty
– Geosciences United States

Kristel Trolenberg – Geology United States

Marcus Welker – Doctoral Student
– Fisheries United States

Jennifer Wiggins – Undergraduate United Kingdom

Eric Wirthlin – Masters Student
– Environmental Science United States

Shaye Wolf – Research Scientist
– Ecology United States

Julian Zander – Undergraduate
– Geosciences Germany



The APECS newsletter is created by Benjamin Beall and the APECS Executive Committee. Please contact Ben (bbeall@bgsu.edu) or any of the Executive Committee members with comments or questions about the newsletter. We are always looking for contributions, so if you have a story on polar research to share, please send us an email.