

IMPORTANT DEADLINES

Deadline for abstract submission (both for oral and poster presentations)	20 June 2014
Notification to authors	25 July 2014
Deadline for registration (free of charge)	1 August 2014
8th Coastal Altimetry Workshop	23–24 October 2014

ORGANISING COMMITTEE

Jérôme Benveniste | European Space Agency – ESRIN, Italy
Hans Bonekamp | EUMETSAT, Germany
Paolo Cipollini | National Oceanography Centre, U.K.
Laury Miller | National Oceanic and Atmospheric Administration, USA
Nicolas Picot | Centre National d'Etudes Spatiales, France
Ted Strub | Oregon State University, USA
Doug Vandemark | University of New Hampshire, USA
Stefano Vignudelli | Consiglio Nazionale delle Ricerche, Italy

REGISTRATION

There is no fee for workshop, but confirmation of attendance is required by 1 August 2014.

CONTACT POINTS

Workshop Organising Committee

Paolo Cipollini, National Oceanography Centre, UK
Phone +44-23-80596404 | e-mail: Paolo.Cipollini@noc.ac.uk

Logistics

ESA Conference Bureau | Via Galileo Galilei, 00044 Frascati, Italy
Phone: +39 06 9418 0912 | Fax: +39 06 9418 0902
e-mail: esa.conference.bureau@esa.int

FURTHER INFORMATION

Detailed technical and scientific information on the workshop can be found at: www.coastalaltimetry.org

SCIENTIFIC COMMITTEE

Ole Baltazar Andersen | DTU Space, Denmark
Lifeng Bao | Chinese Academy of Science, China
Florence Birol | Laboratoire d'Etudes en Géophysique
et Océanographie Spatiales, France
Wolfgang Bosch | DFGI, Germany
Mathilde Cancet | Noveltis, France
Emanuel F. Coelho | University of New Orleans resident
at the Naval Research Laboratory, USA
Xiaoli Deng | University of Newcastle, Australia
Luciana Fenoglio-Marc | Technical University Darmstadt, Germany
Joana Fernandes | University of Porto, Portugal
Jesus Gomez Enri | University of Cadiz, Spain
Christine Gommenginger | National Oceanography Centre, U.K.
Guoqi Han | Fisheries and Oceans Canada, NAFC, Canada
Jessica Hausman | NASA Jet Propulsion Laboratory, USA

Kaoru Ichikawa | Kyushu University, Japan
Andrey Kostianoy | P.P. Shirshov of Oceanology, Moscow, Russia
Villy Kourafalou | University of Miami, USA
Raj Kumar | Space Applications Centre, ISRO, India
Cristina Martin-Puig | isardSAT, Spain
Ananda Pascual | Institut Mediterrani d'Estudis Avançats (IMEDEA), Spain
Martín Saraceno | University of Buenos Aires, Argentina
Remko Scharroo | EUMETSAT, Germany
Frank Shillington | University of Cape Town, South Africa
C. K. Shum | Ohio State University, USA
Walter H. F. Smith | National Oceanic and Atmospheric Administration, USA
Pierre Thibaut | Collecte Localisation Satellites (CLS), France
Akihisa Uematsu | Japan Aerospace Exploration Agency (JAXA), Japan
John Wilkin | Rutgers University, USA

www.coastalaltimetry.org



→ 8th COASTAL ALTIMETRY WORKSHOP

23–24 October 2014 | Lake Constance | Germany

INTRODUCTION

The Coastal Altimetry Community (<http://www.coastalt.eu/community>), that is the international community of scientists working on development and applications of altimetry in the coastal zone, invites you to the university city of Konstanz, on the German shore of Lake Constance, for the 8th Coastal Altimetry Workshop on 23–24 October 2014.

Coastal altimetry has become a recognized mission target for present and future satellite altimeters, also thanks to the successful results from SAR and Ka-band altimetry. This Workshop aims at being once again a lively forum for a community-led review of the science and applications of coastal altimetry, from data processing through emerging applications to new technologies.

The workshop will be held just before the SARAL/AltiKa Workshop and the Ocean Surface Topography Science Team (OSTST) meeting (www.ostst-altimetry-2014.com), both also taking place in Konstanz on the following week, so that delegates can conveniently attend all these related events.

A SAR Altimetry Training Course will also be organised on 21–22 October 2014.

PROGRAMME OUTLINE

Tuesday 21 and Wednesday 22 October 2014

- SAR Altimetry Training Course

Thursday 23 October 2014

- Introduction with Keynote talks
- Status of current and forthcoming missions
- Technical issues in coastal altimetry (retracking and corrections)
- Poster session

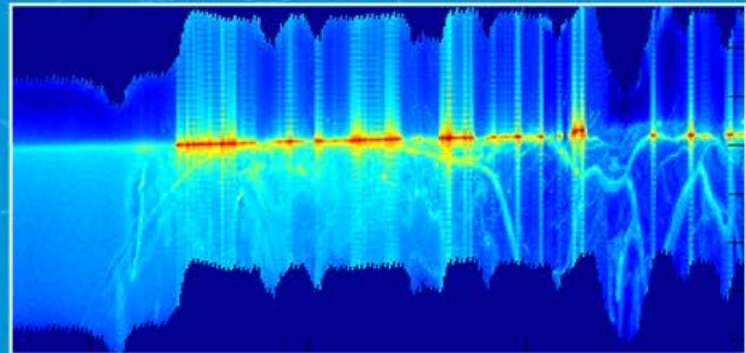
Friday 24 October 2014

- Applications of coastal altimetry
- Synergy with models
- Poster session (cont.)
- Wrap-up and recommendations

THEMES

- **Technical issues in coastal altimetry**, both for conventional and SAR modes, such as: progress on waveform modeling and retracking, Sea State Bias correction in coastal regions, improvements in other corrections, assessment of the capabilities of the latest missions (including CryoSat-2, HY-2, AltiKa) and preparatory studies for the Sentinel-3 Radar Altimetry mission in the coastal zone.

- **Applications of coastal altimetry data**, both for conventional and SAR modes, alone or in combination with other data and/or models. This includes the use of data from the various data providers and/or reprocessing initiatives: CTOH, PISTACH, COASTALT, REAPER, ESA Sea Level CCI, PEACHI, eSurge. Possible applications comprise coastal sea level variations, coastal currents, coastal wave field, storm surge research, assimilation of data in coastal models and surge models. Studies exploiting the synergies of coastal altimetry with in situ, model and other satellite data (like SAR, SST, ocean colour), as well as those looking at climate-scale variations of sea level and sea state in the coastal zone, are particularly welcome.



Radar echogram of CryoSat-2 SAR pass from Caspian Sea to Volga's Delta: bright radar reflections, such as stagnant waterways and sand banks, are pictured in red.

