

Date: 1 – 5 July 2019

Venue: TU Delft campus, Delft, The Netherlands

**Summer School on
Sea-level change:
observations,
processes and
modelling”**

Goal: This Summer School will provide Ph.D. students and junior scientists specializing in sea level research with a basic introduction to the dynamics of current and future sea level change and to state-of-the-art tools to measure and project it. The different contributors to global and regional sea level change will be presented by world-leading experts. The school has a strong component on “hands-on” learning, with practical exercises on the observation and modelling of sea level change, its contributors, and forcing mechanisms. Participants will also receive a training on science communication.

Scope: This Summer School will cover the most important physical processes contributing to sea level change and the main observations thereof. The focus is on the dynamics of these processes, on how they are modelled, on how past and current changes can be observed, and on current limitations in our understanding of sea level variations, including our ability to project future changes.

Lecturers: Francisco Calafat (*NOC*), Anny Cazenave (*LEGOS*), Thomas Frederikse (*NASA-JPL*), Roland Gehrels (*U. York*), Svetlana Jevrejeva (*NOC*), Frank Pattyn (*ULB*), Guy Wöppelmann (*U. Toulouse*), Bert Wouters (*Utrecht U. & TUD*), Matthieu de Schipper (*TUD*), Sierd de Vries (*TUD*), Stef Lhermitte (*TUD*), Wouter van der Wal (*TUD*), Riccardo Riva (*TUD, convenor*) and Miren Vizcaino (*TUD, convenor*).

Practical information

The school is open to PhD students and junior post-docs working on sea-level related subjects. The registration fee is depending on accommodation type and includes full board, excursion and course material (fee: EUR 400 in 4+ people rooms, EUR 600 in twin rooms). There are 20 places available for each type.

To register, please send an e-mail to Secr-grs-citg@tudelft.nl, specifying “Sea-level Summer School” in the subject, by 1 March 2019. Your application should include a PDF containing a statement on why you want to participate in the school, a short description of your research project (max 200 words), your affiliation and name of supervisor, and the preferred accommodation type. Shortly after the registration deadline, you will receive notification whether your application has been accepted and instructions on how to wire the registration fee, which will need to be received by 30 April 2019.

For updates, please check:
www.tudelft.nl/citg/SLCSS

Synthetic programme

Day 1 – The sea level record; student poster sessions.

Day 2 – The Solid Earth contribution; field trip to the Sand Motor.

Day 3 – Glaciers and ice sheets; computer exercises about remote sensing of ice sheets.

Day 4 – The coastal oceans; computer exercises about satellite altimetry.

Day 5 – Global climate and sea level projections; workshop on climate science communication.