

GENERAL INFORMATION

ORGANIZATION

COURSE COMMISSION
Dr.ir. M.J. Baptist (Wageningen Marine Research)
Dr. T. Gerkema
Drs. G. Ramaekers (RWS)
Prof.dr.ir. A. Reniers (TU Delft)
Prof.dr.ir. J.A. Roelvink (UNESCO-IHE/
Deltares)
Dr. K.M. Wijnberg (University of Twente)

COURSE FEE

The course fee for NCK PhD students is €1.395 (excl. taxes) and for all other participants €2.750 (excl. taxes). These fees include board and lodging (breakfast and towels are not included), course material, bicycle and a number of excursions.

COURSE MATERIAL

To limit the costs of the course, no printed course material will be supplied in advance. Instead, after the course, all lectures and possibly some additional background material provided by the lecturers, will be put online. Some course material can also be consulted online during the course.

LOGISTICS

The Summer School will be held in:

DORPSHUIS DE WALDHOORN
Herenstraat 30
1797 AH Den Hoorn
Texel, The Netherlands
T: +31 (0)222 319888
E: info@denhoortexel.nl
www.denhoortexel.nl

Lecturers, organizing staff and participants will stay in holiday bungalows in:

VAKANTIECENTRUM DENNENOORD
Grensweg 106
1791 NK Den Burg, Texel
T: 0222 312423
E: info@dennenoord.com
W: www.dennenoord.com

The participants will share twin-bedded rooms in 4- or 6-person bungalows, breakfast is to be organized by the participants themselves. A little shop is located on the bungalow terrain.

DATES

The Summer School starts on Monday June 26th and finishes on Friday July 7th.

LANGUAGE

The official language of the course is English. All lectures and course material will be presented in English.

REGISTRATION

Registration is possible by regular mail, by email or on www.paotm.nl.

PAO TECHNIEK EN MANAGEMENT
Postbus 5048
2600 GA Delft
info@paotm.nl
www.paotm.nl

When registering, please include the following information:

1. NCK Summer School 2017
2. PhD-student: yes / no

DEADLINE FOR REGISTRATION IS APRIL 28 2017
Participants will be informed about their admission no later than May 18 and will receive relevant documentation in the beginning of June.

Before the start of the Summer School participants will be asked to make a short presentation to introduce themselves.

PHYSICAL ADDRESS

De Bouwcampus
Van der Burghweg 1
2628 CS Delft

POSTAL ADDRESS

PAO Techniek en Management
Postbus 5048
2600 GA Delft

☎ 015 2784618

🌐 paotm

📺 paotm

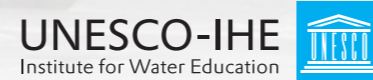
📧 @Stichting_PAOTM

✉ info@paotm.nl

🌐 www.paotm.nl

PARTNERS

The Summer School is organized in cooperation with:



UNIVERSITY OF TWENTE.



NCK SUMMER SCHOOL

June 26 - July 7 2017



TECHNIEK
EN MANAGEMENT

NCK Summer School

June 26 - July 7 2017

The bi-annual Summer School of the Netherlands Centre for Coastal Research (NCK) has the objective to provide tools and skills to young engineers and scientists, specializing in coastal and estuarine processes with a common background in knowledge.

The NCK Summer School covers a range of physical and ecological topics in the coastal area. As a central theme, it links these topics to the Dutch Wadden Sea area and its surroundings, i.e. including the barrier islands and the North Sea.



“The Netherlands, a safe and liveable delta, now and in the future”

The Nationaal Waterplan (2009)

ACTIVITIES

COASTAL ZONE MANAGEMENT CASE STUDIES

Safety against flooding in an optimal combination with other coastal functions like nature, recreation and sustainable economic activities, is the principal objective of coastal zone management. This general notion has been specified in the law (Waterwet, 2009), in EU Directives (Birds and Habitat Directive, Water Framework Directive and Marine Strategy Framework Directive) and policy documents. The Nationaal Waterplan (2016-2021) incorporated the Delta decisions (2014) that changed the policy of floodsafety fundamentally. The current National Waterplan describes the outline, the principles and direction of the national water policy for the period 2016-2021 with a perspective to 2050.

Considering the Wadden Sea, issues in the Deltaprogramme and in coastal zone management may be divided into two coherent subjects: management of the island coasts and management of the Wadden Sea basins. From these subjects several topics will be selected to be analysed in groups consisting of four to five participants.

EXAMPLE TOPICS ARE:

- How do nourishments affect nearshore morphology and hydrodynamics? What is the effect on the coastline position and on safety?
- What is the effect of large scale hard structures (e.g. the 'Eierlandse Dam' jetty) on the adjacent coast?
- What is the effect of large scale hard structures on the evolution of a tidal inlet and the back barrier basin?
- How do sea level rise and gas extraction affect large scale stability of the Wadden Sea basins?
- What is the magnitude and quality of sediment exchange between the North Sea and the Wadden Sea?
- Which factors determine habitat characteristics (e.g. tidal marshes)?

These topics will be related to specific case studies to be analysed by the participants during the Summer School. NCK-postdocs will supervise the work on the case studies. On the last day of the Summer School each group will present their results.

OTHER ACTIVITIES

All participants will get the opportunity to gain some practice in field measurements. In addition to the course lectures and case studies, the course includes dedicated lectures and field trips to enhance the participant's understanding of the Wadden Sea physical and ecosystem and its management issues, such as gas mining and shellfish fisheries.

All participants are expected to present their own research or work through a poster. A poster session has been scheduled in the second week of the Summer School.

TARGET GROUP

The NCK Summer School is open for all NCK PhD-students. Moreover, we aim at participation of young staff members of the non-academic NCK-partners, as well as participants from other organizations with interest in the NCK-curriculum.

Because of the intensity of the programme and available accommodation, the total number of participants is limited to 24. In case of more than 24 applications, the organizers will make a selection based on criteria to be decided upon in close concert with the NCK Programme Committee.

LECTURES

CONTENT LECTURES

The NCK Summer School will provide in-depth lectures by senior NCK-scientists, combined with training in the form of case studies, a field survey and field trips. The following lecturers have promised to contribute on the indicated topics:

TOPIC	LECTURER	INSTITUTE
LONG-TERM MORPHOLOGY	DR. AD VAN DER SPEK	DELTA/RES
ECOLOGICAL IMPACT ON PHYSICAL PROCESSES	PROF. PETER HERMAN	DELTA/RES
TIDES AND ESTUARINE DYNAMICS	DR. THEO GERKEMA	NIOZ
MEDIUM-TERM MORPHOLOGY	DR. GERBEN RUESSINK	UNIVERSITY OF UTRECHT
MORPHOLOGICAL MODEL CONCEPTS AND MODELING	DR. ZHENG BING WANG	DELTA/RES/TU DELFT
REGIONAL SEA LEVEL CHANGE	PROF. BERT VERMEERSEN	TU DELFT/NIOZ
COHESIVE SEDIMENT TRANSPORT PROCESSES	PROF. HAN WINTERWERP	TU DELFT/DELTA/RES
DATA ANALYSIS IN MORPHOLOGY	DR. KATHELIJNE WIJNBORG	UNIVERSITY OF TWENTE
NON-COHESIVE SEDIMENT TRANSPORT PROCESSES	PROF. LEO VAN RIJN	DELTA/RES/ UNIVERSITY OF UTRECHT
NUMERICAL MODELING OF HYDRODYNAMICS AND TRANSPORT PROCESSES	IR. HERMAN KERNKAMP	DELTA/RES
PROCESS-BASED MORPHOLOGICAL MODELLING	PROF. DANO ROELVINK	UNESCO-IHE/DELTA/RES
WAVES IN SHALLOW WATER	PROF. AD RENIERS	TU DELFT
STABILITY ANALYSES OF SEABED AND TIDAL INLETS	PROF. SUZANNE HULSCHER	UNIVERSITY OF TWENTE

PRELIMINARY PROGRAMME

	MORNING	AFTERNOON	EVENING
JUNE 26	REGISTRATION & COURSE LECTURES	COURSE LECTURES	NO PROGRAMME
JUNE 27	COURSE LECTURES	CASE STUDIES	BOAT TRIP TX10/ LOW WATER: WADLOPEN
JUNE 28	FIELD WORK	FIELD WORK	NO PROGRAMME
JUNE 29	COURSE LECTURES	CASE STUDIES	LECTURE ON WADDEN SEA ISSUES
JUNE 30	COURSE LECTURES	CASE STUDIES	GARDEN PARTY
JULY 1	COURSE LECTURES	FIELD TRIP TEXEL	NO PROGRAMME
JULY 2	OPTIONAL PROGRAMME: FIELDTRIP TO VLIELAND BY VLIHORS EXPRESS (WHOLE DAY) ADDITIONAL COST: € 22,50 P.P. (SEE WWW.VLIHORSEXPRES.NL)		
JULY 3	COURSE LECTURES	CASE STUDIES	SEAS OF COLOUR
JULY 4	COURSE LECTURES	CASE STUDIES	FIELD TRIP EIERLANDSE DAM
JULY 5	COURSE LECTURES	CASE STUDIES & POSTER SESSION	NO PROGRAMME
JULY 6	COURSE LECTURES	CASE STUDIES	FAREWELL DINNER: BBQ ON THE BEACH
JULY 7	COURSE LECTURES	PRESENTATION CASE STUDIES	END OF PROGRAMME

DISCLAIMER

PAO Techniek en Management can not be held responsible for the content of this brochure. The information of this brochure is subject to change and errors. To all our courses the general conditions of PAO Techniek en Management apply; these are to be found on www.paotm.nl.

