



THE SVEN LOVÉN CENTRE FOR MARINE INFRASTRUCTURE

Schedule for 2nd European Conference on Scientific Diving 2016

Sunday 8 May

15:00-20:00 Registration (in the reception area) at the Sven Lovén Centre for Marine Infrastructure – Kristineberg

18:00-20:00 Icebreaker and tour of the station!

Monday 9 May

07:45-08:10 Late registration at Gullmarstrand, in the coffee room outside the conference hall

08:10-08:30 Gullmarsstrand Conference Hotel:

Welcome address by the Dean of the Faculty of Science at the University of Gothenburg, Elisabet Ahlberg

Session 1:

Coastal research using scientific diving – from micro to macro

08:30-09:00 Keynote speaker: Miriam Weber, HYDRA Institute for Marine Sciences Elba, Italy. Chair Helen Nilsson Sköld.

09:00-09:15 Köck et al.: *Studying fish populations renewal: the complementary use of classic underwater visual censuses and advanced acoustic telemetry methods*

09:15-09:30 Louizidou et al.: *Exploration of the biodiversity and ecosystem structure of coralligenous communities around Rhodes (Greece)*

09:35-09:50 Turicchia et al.: *A multifactorial photographic sampling design to assess differences in coralligenous macrobenthic assemblages with and without Gorgonian forests*

09:50-10:05 De Wit et al.: *Forensic genomics as a novel tool for identifying the causes of mass mortality events*

10:05-10:30 Coffee/tea break

10:30-10:45 Fischer & Groß: *The importance of artificial structures (Tetrapods) as refuge and settlement area for fish and crustacea in shallow coastal areas*

10:45-11:00 Infantes & Moksnes: *Antagonistic feedback mechanisms in *Zostera marina* restoration along the Swedish West Coast*

11:05-11:20 Triary-Portella et al.: *Different techniques of underwater visual censuses were used to evaluate the presence of alien marine fishes in the Canary Islands (Central-Eastern Atlantic) introduced through oil rigs*

11:20-11:35 Gullström et al.: *Carbon sink capacity, productivity and trophic structure in temperate seagrass meadows: a landscape-scale assessment across the Swedish Skagerrak coast*

11:35-11:45 Short break

11:45-12:00 Fagerli et al.: *Sea urchin overgrazing and kelp forest recovery in northern Norway*

12:00-12:15 Pätzold et al.: *Hydrogeological investigation of Lake Sawa, South Iraq*

12:15-12:30 Merkel et al.: *Investigation on sublacustrine discharge to the Dead Sea*

12:30-13:30 Lunch at the Gullmarsstrand Conference Hotel, Fiskebäckskil

Session 2, Gullmarsstrand Conference Hotel: Underwater archaeology

13:30-14:00 Keynote speaker: Jens Auer, University of Southern Denmark, Maritime Archaeology. Chair Delia Ní Chíobháin Enqvist.

14:00-14:15 Bastrop et al.: *Molecular-taxonomic investigation and identification of the common shipworm *Teredo navalis* in groyne fields of the Baltic Sea/Germany*

14:15-14:30 McCarthy: *Project SAMPHIRE*

14:35-14:50 Rich et al.: *Sampling shipwreck timber in situ for Dendroprovenance*

14:50-15:05 Gainsford: *Fishing traps in western Sweden; location, type and frequency. Underwater survey and investigation from Lake Gärdsken, Alingsås Sweden*

15:05-15:30 Coffee/tea break

15:30-15:45 Goldhammer: *The submerged mesolithic coastal site "Strande LA 163" in the Kiel Bay as an example of advantages and chances using scientific diving for archaeological research*

15:45-16:00 Hansson & Sjöström: *Early holocene landscape development, shore level displacement and mesolithic archaeology in the Hanö Bay*

**Start Session 3: Gullmarsstrand Conference Hotel:
New technologies & methods for scientific divers to improve underwater research. Chair Pierre de Wit.**

16:20-16:35 Grøn et al.: *Acoustic underwater detection of Flint and other silicat minerals knapped by humans*

16:35-16:50 Harbour: *Comparing diving survey techniques: 4K video vs in situ*

18:00 Poster session, mingle, tours at Kristineberg.

20:00 Traditional Swedish West Coast Delight Dinner at Kristineberg.

Tuesday 10 May

Session 3 continued, Gullmarsstrand Conference Hotel:

New technologies & methods for scientific divers to improve underwater research

08:30-09:00 Keynote speaker: George Matsumoto, Monterey Bay Aquarium Research Institute, Moss Landing, California, US. Chair Pierre de Wit.

09:00-09:15 Leinikki: *Developing a tablet for underwater use*

09:15-09:30 Palma et al.: *Underwater photo mosaics: new tools for faster benthic assessments and long term monitoring*

09:35-09:50 Stanulla et al.: *Detailed mapping of small-scaled hydrothermal fluid escape structures at Area 26 and La Calcare, Panarea, Italy*

09:50-10:05 Féral et al.: *Dive monitoring of sensitive coastal habitats: the use of arms boxes and asus in the North West Mediterranean*

10:05-10:30 Coffee/tea break

10:30-10:45 Porter et al.: *Using scientific diving as a tool for monitoring submerged settlement panels in climate change and ecological research applications*

10:45-11:00 Norro: *The Closed Circuit Rebreather (CCR), safest device for deep scientific diving?*

11:05-11:20 Berov et al.: *Scientific diving as a tool for structural and functional studies of coastal habitats - examples from the SW Black Sea, Bulgaria*

11:20-11:35 Boughedir et al.: *Scientific diving as a main protocol for studying the seagrass *Posidonia oceanica* in Tunisia (Central Mediterranean sea)*

12:00-12:15 Kohlberg et al.: *Non-invasive longtime observation of the filtration*

11:35-11:45 Short break

11:45-12:00 Kohlberg et al.: *Non-invasive longtime observation of the filtration activity of the freshwater mussel *Diplodon chilensis* (Gray, 1828) with time lapse photography*

12:00-12:15 Momber et al.: *Developing scientific methodologies for the sampling of submerged landscape ecological and archaeological deposits*

12:15 Establishing workgroups

13:00-14:00 Lunch at Kristineberg

14:30-17:00 Work group meetings in group rooms at Kristineberg

We are planning to establish up to three working groups before the conference to develop either “roadmap” or “consultation documents” on the following topics:

- Integration of Scientific Diving into EuroMarine Research activities
- Standardization and Harmonization of Educational courses for Scientific Divers in Europe
- Scientific Diving in polar regions

Alternatively for those not involved in the above working groups:

14.30 Afternoon activities:

See under “Workshops and leisure activities” on web-page. Please note the booking deadlines for the activities.

19:30 Dinner at Gullmarstrand Conference hotel

Wednesday 11 May

Session 4, Gullmarstrand Conference Hotel:

Research in cold waters using scientific diving

**08:30-09:00 Keynote speaker: Jan Czerny, GEOMAR, Kiel, Germany.
Chair Jon Havenhand.**

09:15-09:30 Hoffmann et al.: *Antarctic glacier retreat influences biogeochemical fluxes and benthic communities*

09:35-09:50 Féral et al.: *Proteker: implementation of an underwater observatory at the Kerguelen Islands (Southern Ocean)*

09:50-10:05 Roder et al.: *Towards the in situ characterization of a sub-ice platelet layer ecosystem in Antarctica*

10:05-10:30 Coffee/tea break

10:30-10:45 Diercks et al.: *Abundance and in situ mass increase of the cold-water scleratinian *Tethocyathus endesa* in the Chilean Comau Fjord*

10:45-11:00 Hop et al.: *Marine life in and around Arctic sea ice*

11:05-11:20 Müller et al.: *Characterizing different ecological habitats in a meromictic Alpine Lake*

11:20-11:35 Walday et al.: *Monitoring the Skagerrak coast using scientific diving*

11:35-11:45 Short break

11:45-12:00 Deyanova et al.: *Seasonal patterns in primary productivity of a temperate seagrass habitat*

12:00-12:15 Lappalainen et al.: *Mapping of marine biodiversity along a complex shoreline - lessons learnt from the Finnish coast*

12:15-12:30 Balazy et al.: *Shallow-water arctic scavengers of polar night and day - a time-lapse photography study*

12:30-12:45 Fischer et al.: *The COSYNA underwater nodes: A diver supported sensor carrier system for measurements in extreme climates*

13:00-14:00 Lunch at Kristineberg

Afternoon:

14:00 - Workgroup meetings continued at Kristineberg

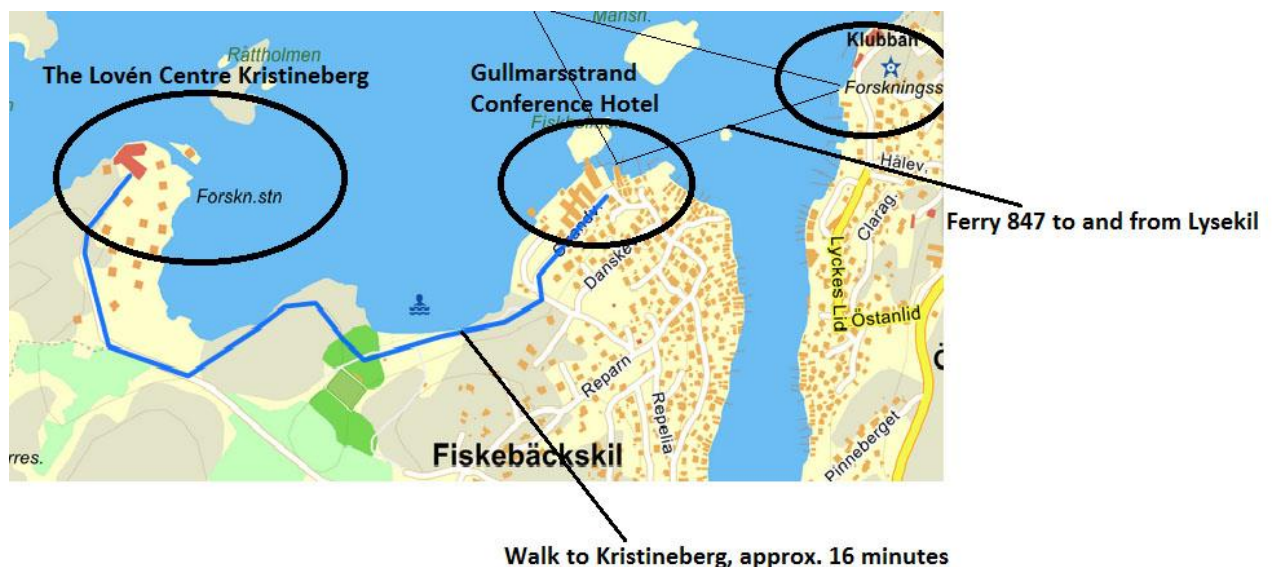
For the Swedish Scientific Diving committee: spring meeting at Kristineberg in the library 14:00-18:30

Alternatively:

14:00 for those not involved in work groups and meetings:
Opportunities for workshops and leisure activities

Thursday 12 May **Annual meeting of European Scientific Diver Panel and opportunities for workshops and leisure activities**
(see website, please note booking deadlines for the activities)

Friday 13 May **Workshops and leisure activities**
(see website, please note booking deadlines for the activities)



Map of conference locations.