



Centre for Innovative Ultrasound Solutions

For health care, maritime, and oil & gas

CIUS spring conference 25.-26 April 2017

Venue: Clarion Hotel and Congress Center

Brattørkaia 1, 7010 Trondheim, Phone: 73 92 55 00

Program

Tuesday April 25th 2017

10.00-12.30 *Registration*

11.30-12.20 *Lunch*

12.30-12.35 Welcome and update on CIUS, plus introduction of CIUS' industry liaison Svein Erik

Måsøy (start up date 010517) (Asta Håberg)

12.45-13.30 International speaker: UL, Cardiology : "Speckle tracking echocardiography: the present and the future", Professor Jan D'Hooge, K.U.Leuven, Belgium

13.30-14.00 *Refreshments*

14.00-14.45 International speaker: *Pulse-echo sonographic imaging of speed-of-sound in handheld diagnostic ultrasound*, Dr. Michael Jaeger, Institute of Applied Physics, University of Bern, Switzerland

14.45-15.15 Latest from academia

14.45-15.15 Lars Hoff, HSN

15.15-16.00 Applying for EU funding (Emma Walton, NTNU's EU coordinator on the EU funding system, Thomas Langø and Sverre Holm on their experiences obtaining EU funding)

16.00 *End day 1*

16.30-19.00 *CIUS board meeting*

19.30 *CIUS dinner*

Wednesday April 26th 2017

08.30-09.30 Partner presentations of their current and future use of US/SONAR technology

08.30 – 09.00 GE Vingmed Ultrasound, *Dagfinn Sætre, General Manager*

09.00-09.30 Phoenix Solutions, *Per Sontum, CEO*

09.30-10.00 Halfwave, *Petter Norli, Director R&D*

10.00-10.30 Refreshments/*Set up speed updates*

10.30-11.30 Speed updates. 8 presenters, prepare presentations of max. 10 min duration

- **Marcus Wild** "Characterising piezoelectric material parameters through a 3D FEM and simulated annealing algorithm"

- **Kenneth Kirkeng Andersen** "Numerical optimization method of ultrasound transducers"

-**Tormod Selbekk/Janne Beate Lervik Bakkeng** "CustusX – a research platform for ultrasound and image guided treatment"

- **Sofie Snipstad** "Nanoparticle-stabilized microbubbles for ultrasound-mediated drug deliver"

- **Cristiana Golfetto** "Adaptive clutter filtering in coronary arteries"

- **Thomas Grønli** "Model-based regularisation of blood flow measurements"

- **Ulrich Bretthauer**- Prestations of X-fab

- **Anna Karlberg** "Glioma imaging with PET MRI and its use in ultrasound navigated surgery"

11.30-12.30 *Lunch*

12.30-13.30 Speed updates continued

13.30-14.00 *Refreshments*

14.00- 14.45 Roy Edgar Hansen, Norwegian Defence Research Establishment (FFI) and University of Oslo. "Seabed Imaging with Syntethic Aperture Sonar"

14.45 -15.10 **Latest from academia**

14.45-15.05 Hefeng Dong, NTNU, Passive Acoustics for Seabed Characterization

15.10-15.45 General discussion and brain storming wrt CIUS activities, industry liaison, communication and scientific meetings (Svein Erik Måsøy and Asta)

15.45 Closing remarks (Eva Nilssen, CIUS Board director and Program Manager *GE Healthcare*)

16.00 End day 2