

Summer School 2016 - 24-25 May 2016

Goal

As part of the training program in FIWIN5G, we are organizing a Summer School (SS2016) in Copenhagen. SS2016 will cover the following topics by DTU

DTU-1	Data collection and Digital Signal Processing This course trains researchers in data collection when using digital sampling scopes, including Nyquist limits for data integrity, and provides a platform to recover such data for further processing.
DTU-2	Mobile front-haul/back-haul technologies This course trains on fronthaul and backhaul technologies for delivery of wireless signals over photonic networks.
DTU-3	Entrepreneurship and inventions in Photonics, Optics and Nanotech The overall objective of this course is to achieve a basic business insight that will allow the student to efficiently participate in commercializing inventions and knowledge within photonics, optics and

DTU-1 is complemented by a course on a DSP package developed at DTU, which will be released for ESRs use in FIWIN5G. A short training program by a local research will be part of the program.

DTU-3 will be given by Prof. Jes Broeng. Jes Broeng joined DTU Fotonik in 2012 with the goal of creating new spin-out companies. Jes has an entrepreneur background as a co-founder of Crystal Fibre (sold 2008), now NKT Photonics. Jes has extensive experience in business development, product development, sales (US, Europe, and Asia; private and public sector), and IPR and license management. Jes has a Ph.D. and M.Sc. from DTU, Denmark, and he is author and co-author of more than 200 publications, 1 textbook, and 15 patents (6000+ citations, h-index = 35).

We have also confirmed the following external speakers to complement the training by DTU:

Prof. Martijn Heck	Aarhus University Martijn Heck is an Associate Professor in the Department of Engineering of Aarhus University, where he is setting up a fabless group on photonic integrated circuits and their applications. His research interests include photonic integrated circuits fabricated in III/V, silicon and silicon nitride platforms and their application to interconnects, microwave photonics, sensors and biomedical imaging and spectroscopy.
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Prof. Magnus Karlsson

Chalmers University of Technology

Magnus Karlsson is professor in photonics, with focus on fiber optics and optical communications. His expertise is wave propagation in optical fibers, polarization effects, nonlinearities and optical communications. Together with Prof. Peter Andrekson, he leads the fiber optics group at the Photonics Laboratory. In 2010 he co-founded the Fiber Optic communication Research Center (FORCE) at Chalmers.

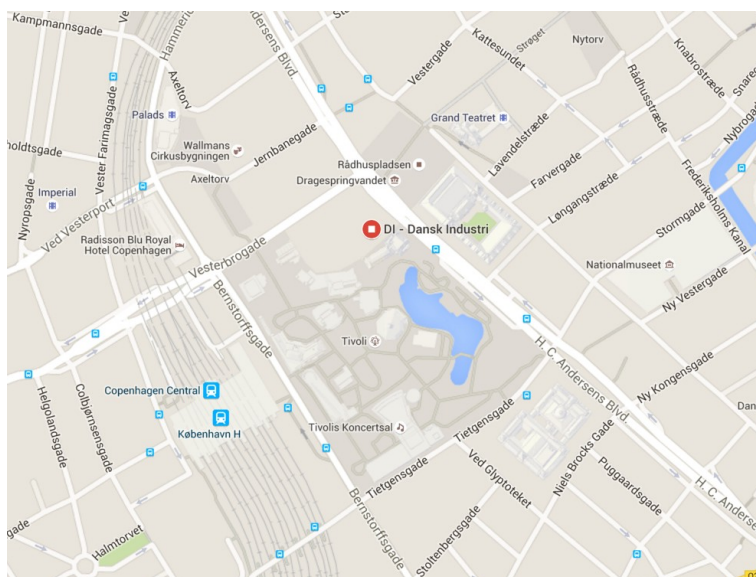
We will add some more external speakers and distribute the final program in due time.

Venue

The Summer School will be hosted by “Dansk Industri” (DI), the Confederation of Danish Industri – a private organization representing over 10.000 companies in Denmark, aiming at providing the best possible corporate conditions.



DI is conveniently located in Copenhagen downtown, facing the City Hall Square, next to the Tivoli Gardens and 5 minutes by foot from Copenhagen Central Station.



Address

DI - Dansk Industri, H. C. Andersens Boulevard 18, 1553 København V

Copenhagen Central Station is 20minutes away from Kastrup Airport (main airport in Copenhagen). Trains departure every 15minutes.

Hotel Recommendations (foot distance)

Cabinn City

Mitchellsgade 14, 1568 København

cabinn.com

33 46 16 16

Saint Thomas

Frederiksberg Alle 7, 1621 København

hotelsctthomas.dk

33 21 64 64

