



Call for participation IEEE SPS Summer School

We would like to welcome you to the IEEE SPS Summer School at Mid Sweden University in Sundsvall, Sweden during May 28 - June 1, 2018. This year’s focus will be on “Light Field Data Representation, Interpretation and Compression”.

The training school is a post-graduate education event for engineers, computer scientists, researchers, PhD-students, and other individuals interested in an overview and deepened knowledge of Light Field Data Representation, Interpretation, and Compression. Its main purpose is to create an innovative training environment, which promotes learning an attractive part of Signal Processing, and provides facilities and expert lecturers for training internationally competitive researchers in the fields of advanced Signal Processing, all needed to support the next stage of visual media. The school will address the following topics that will be discussed from both theoretical and practical perspectives in the form of lectures and exercises:

- Light field representation: plenoptic function, Light field and Lumigraph, sparse representations, compressive sensing, image dictionaries, shearlets, and more
- Compression: image and video compression codecs, compression of different light field representations, e.g. Plenoptic camera type I and II images, dense light field data
- Interpretation: depth, reflective and transparent surfaces, super resolution
- Applications: refocusing, depth, light field displays

Read more: www.full-parallax-imaging.eu/TS5

Registration fees

Registration fee includes access to all lectures and exercises, hand-outs, coffee breaks and lunches, as well as Welcome reception, School social dinner and a Student picnic. All fees are subject to an additional 25% value added tax (VAT).

Early bird registration

Early bird registration is due April 30 2018, by which fees shall be paid. As of May 1, 20 %. higher fee.

- SPS student member 2950 SEK
- Non-SPS student: 4400 SEK
- Non-student SPS member 11750 SEK for all days; 8800 SEK for one day
- Non-student, Non-SPS member: 17650 SEK for all days; 13200 SEK for one day

Early Stage Researchers (ESRs) in the ETN-FPI have their registration fee funded by the network. ESRs must register to confirm their attendance.

Important dates

April 30, 2018

Last day for Early bird registration and payment (20 % reduced conference fee and favorable prices on hotels).

May 18

Last day for sending in the abstract and presentation for the Poster Session.

May 28 - June 1

IEEE SPS Summer School

May 28

Welcome reception

May 31

School social dinner, boat trip

June 3-5

Co-located event: 3DTV Conference 2018 in Stockholm. Read more: <http://3dtv-con.org>





Lecturers

The confirmed lecturers on the IEEE SPS Summer School. From the left:

Dr. Donald G. Dansereau, Stanford Computational Imaging Lab, U.S.

Prof. Atanas Gotchev, Tampere University of Technology, Finland

Prof. Paolo Favaro, University of Bern, Switzerland.

Dr. Christine Guillemot, INRIA, France

Prof. Ioan Tabus, Tampere University of Technology, Finland

Attila Barsi, Holografika Ltd., Hungary

Dr Roger Olsson, Mid Sweden University, Sundsvall, Sweden

Prof. Mårten Sjöström, Mid Sweden University, Sundsvall, Sweden



Contacts

Please contact us if you have any questions.

General inquiries

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Finance and registration

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More information:

You will find all information about the IEEE SPS Summer School at:

www.full-parallax-imaging.eu/TS5

Your stay in Sundsvall

Mid Sweden University campus Sundsvall has modern lectures halls and rooms for exercises and is situated a short walk from the city centre. It has lovely scenery, with leafy groups of trees and a beautiful promenade along the river. “Åkroken” – the heart of campus – is built in the 1990s as a city within the city, with alleys and squares, bridges and landing-stages.

Sundsvall is situated in middle of Sweden with good communications. When travelling to Sundsvall most people choose to fly or go by high-speed train. We have prebooked a number of rooms with favorable prices at two hotels in Sundsvall for your convenience. The prices are valid until April 30. Read more on the pages Venue and Travel and accommodation on the website.

Organizers and partners