

Vad händer inom **optiken** i Stockholm?

What happens in Stockholm in **optics** ?

Thursday 25th February 17.30 – 18.30

**KTH-Kista, Isafjordsgatan 22, Electrum
Plan 2, Sal 204 (towards restaurant PUUR)**

“Waveguide lasers and amplifiers in rare earth doped double tungstates”

Dr. Dimitri Gekus, Researcher at KTH-FMI Fotonik o Mikrovågsteknik

Rare earth optical amplifiers are so far regarded to be the underdog for micro sized optical amplifiers, but recent results have revealed their great potential. The achieved high optical gain in single crystalline rare earth doped double tungstate waveguides has enabled us to not only demonstrate high gain amplifiers but also to demonstrate numerous waveguide lasers devices having impressive laser performance. In this presentation you will be guided through the basic laser physics, fabrication and experimental achievements of these rare earth doped waveguide laser devices.

“The optical toolboxes for 5G”

Dr. Gemma Vall-Ilosera, Ericsson AB

5G is not just another wireless technology. 5G is the network that will enable the networked society. 5G will change the way we do business, the way we connect industries and the new connectivity issues new industry areas have. And most important, 5G will not happen without optics. During the talk we will explore what 5G is and also the toolboxes we have to realise the network of the networked society.

***followed by Optopub 19:00-20:30, ADOPT, Linné center i Modern Optik och Fotonik,
invites everyone who pre-registered for food and beverages.***

OBS: Preregistration for food at:

<https://doodle.com/poll/3dbpra4ydtrv9k56>

before Wednesday 24th February kl.14:00 !!!

Welcome!

*Lennart BM Svensson
Gunnar Björk*

*Sergei Popov
Jens A Tellefsen, Jr*

Optopubs are co-arranged by