

Vad händer inom **optiken** i Stockholm?

Torsdagen den 4 april 17.30 – 18.30

**KTH-Kista, Isafjordsgatan 22, Electrum
Plan 3, Sektion C, FMI seminarierum**

“Sputtered CIGS and CZTS solar cell”, Dr. Jan Sterner, Midsummer AB, JÄRFÄLLA

Abstract: Thin film solar modules based on $\text{Cu}(\text{In,Ga})\text{Se}_2$ or $\text{Cu}_2\text{ZnSnS}_4$ have a high potential to reduce production cost for solar cells. Both materials have a direct bandgap and absorption coefficients above $1 \times 10^5 \text{ cm}^{-1}$ which allows for a thin absorber with low material consumption. Lab scale CIGS devices have reached over 20% efficiency. In order to transfer the potential of these materials to mass production Midsummer has developed a method to sputter CIGS and CZTS on stainless steel substrates. Key challenges for the sputtering of complex semiconductors like CIGS or CZTS and above 15% aperture area efficiency on 6"-cells will be presented.

“Eye-tracking”, Dr. Peter Blixt, Docent, Optronics Manager, Tobii Technology AB

Abstract: Eye-tracking is considered to be part of Natural User Interface for next generation computers. Tobii is the largest eye-tracking company in the world and Intel has invested in Tobii to facilitate integration of eye-trackers in consumer computer. I will discuss optical consideration in design of eye-tracking sensors, illuminators and systems for consumer computers. Algorithms and optronics are mutually optimized for precision, accuracy and tracking robustness. I will also demonstrate our latest product launched this year at CES in Las Vegas.

följt av

OPTOPUB 18.30 –20.00

för alla som vill prata optik och fotonik eller annat

**ADOPT, Linné center i Modern Optik och Fotonik,
bjuder alla som föranmält sig på mat och dryck.**

**Viktigt: Föranmälan till anand@kth.se för mat!!!
Senast Tisdag 2:a april före kl.16:00 !!!**

Välkomna!

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Optopubarna samarrangeras av