



Invitation to

LaserFest

The laser 50 years
Thursday December 9 2010



2010 is the year of the Laser. It is 50 years since Theodore H. Maiman demonstrated the first functioning laser. From DVD players to eye surgery, the laser is one of the greatest inventions of the 20th century— one that has revolutionized the way we live. LaserFest is a yearlong celebration of the 50th anniversary of the laser, and is a collaboration between the American Physical Society, OSA, SPIE and IEEE Photonics Society. LaserFest has been celebrated all over the world during 2010.

Now the celebration of the laser has reached Sweden. December 9 is a full day dedicated to the 50th anniversary of the laser. And we would like to see YOU as our guest during this event.

An event arranged by KTH, Stockholm University, ADOPT Linné Center and the Swedish Optical Society

Morning 8.30-13.00 Electrum in Kista

- 08.30 Start with coffee and cake
- 09.00 **Welcome address** by professor Gunnar Björk, KTH ICT
- 09.05 **From Holography to Relativity**
Nils Abramson, Professor emeritus KTH, Industrial Metrology and Optics
- 09.50 Break
- 10.05 **50 years of Military Laser Research at the Swedish Defense Research Agency**
Ove Steinvall, PhD, Swedish Defense Research Agency (FOI)
- 10.50 Refreshments
- 11.05 **Tunable Semiconductor Lasers in Sweden: from Research to Volume Production**
Björn Broberg, PhD, coach and private investor and co-founder of Altitun and Syntune
- 11.50 End of program

Venue: Electrum Lecture room C1, bottom floor, Isafjordsgatan 22 / 26 Kista.

Advance registration: The lecture room will take about 90 persons, so first come first served!!!





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Afternoon at AlbaNova, Oskar-Klein-salen FR4, KTH

15.00-15.15 Coffee and cake

Colloquium

- 15.15 **The Laser - the first 50 years**
Sune Svanberg, professor, LTH and Lund Laser Center
- 16.15 **Break**

Short lectures about the laser and its importance – presenter prof. Fredrik Laurell, KTH

- 16.45 **Nonlinear Optics – A Science Born with Lasers**
Valdas Pasiskevicius, professor KTH
- 17.15 **Lasers Enlightening Biotechnology**
Jonas Hellström, Chief Technology Officer, Cobolt AB
- 17.45 **Lasers in Metrology – and How the Laser helped building Trimble**
Mikael Nordenfelt, Technical expert, Trimble AB
- 18.15 **Lasers writing our displays, circuit boards, package interconnects and chips**
Tord Karlin, Technology Development Manager, Micronic Mydata AB
- 18.45 **Lasers in entertainment – followed by a REAL LaserShow**
Mikael Israelson, Tecnica Humana
- 19.00 **LaserFest-light-mingle and more laser show!**

Registration

- *Morning in Kista: Lectures. Pre-registration at laserfest50@ict.kth.se*
- *Afternoon at Alba Nova: Colloquium & Short lectures. No pre-registration.*
- *Evening at AlbaNova: LaserFest-light-mingle. Pre-registration at mingel@ict.kth.se*

Program & Further information

On the Swedish Optical Society website you will find the complete program as well as more information on the lecturers www.svenskaoptiksallskapet.se

More about the international LaserFest on www.laserfest.org

Organizers

ADOPT Linné Center, KTH, Stockholm University and Svenska OptikSällskapet

www.kth.se/ict/om/organisation/centra/adopt

www.svenskaoptiksallskapet.se

