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Thu 06-03-
2014

Ny teknik omdanner radiobølger til lyssignaler
Forskere fra DTU og Niels Bohr Institutet har udviklet en ny banebrydende teknik, der gør det muligt at spore selv meget svage radiosignaler. Teknikken kan få stor betydning for at modtage bedre signaler til brug for medicinsk billedbehandling, astronomi, navigation og kommunikation.

Sun 16-02-
2014

Conference Call: LALS 2014
It is our great pleasure to invite you for LALS-2014 which will take place from June 29th to July 2nd in "Edwin Scharff Haus" conference center at Ulm/Neu Ulm (Germany) on the banks of the Danube river. The conference will start with a German-Russian satellite symposium on clinical laser applications, organized in cooperation with the 21st Annual Meeting of the German Society of Laser Medicine (DGLM e.V.).

In this conference some of the most outstanding scientists in the field of biophotonics take part as plenary speakers, session chairs, or invited speakers. This will create a

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stimulating atmosphere for presentations and discussions.

For detailed information please visit the conference website <http://ials2014.ilm-ulm.de>

Wed 12-02-
2014



Lockheed Martin Shows Off High-Power Fiber Laser Weapon

The US military dreams of a small but powerful laser weapon that can zap enemy rockets and drones from a safe distance. But weapons that have been demonstrated so far have been too big and heavy to fit on-board humvees and fighter jets. They're also notoriously difficult to cool.

So key players in the defense industry have turned to fiber lasers to make the military's dream a reality.

[Read more at IEEE spectrum](#)

Wed 15-01-
2014



A colloquium on the singularities of light

Please join us for a colloquium on:

The singularities of light: intensity, phase, polarization

DTU Lyngby, Building 341,
Auditorium 22

30 January, 2014 3:00 - 4:00 PM

[Read the abstract here](#)

Thu 09-01-
2014



Audi R18 e-tron quattro with laser light

Ikke alene kunne Audi præsentere en nyhed på markedet for sportsvogne her ved årets begyndelse, det blev også med en helt ny type forlygter.

Bilgiganten er med sin Quattro-serie, som blev lanceret i 1980 som en serie af rallybiler med firhjulstræk, nået til en R18 e-tron-model, som skal deltage i sommerens Le Mans. Lige nu er modellen på vej ud for at blive vist frem på alverdens bil- og gadgetshows, herunder CES, der netop nu foregår i Las Vegas.

[Læs mere på ing.dk](#) eller på [audi-mediaservices.com](#)

Tue 07-01-
2014



DTU og Aarhus får nye laserlaboratorier i verdensklasse

Millioninvestering i avanceret udstyr på Aarhus Universitet og DTU skal sikre danske laserforskere førerposition og skabe nye arbejdspladser i industrien.

[Læs mere på ing.dk](#)

Mon 30-12-
2013



Her er LED-lyset der ikke går ud ved strømsvigt

Start up-virksomheden SmartCharge har udviklet et LED-lys, som kan holde sig selv kørende

i fire timer uden strøm. Se hvordan det virker her.

Sun 29-12-
2013



Snoet lys mangedobler kapaciteten i optiske fibre
Videnskabens Top 5: Som et af årets bedste danske forskningsresultater har virksomheden OFS-Fitel i Brøndby sammen med amerikanske forskere udviklet en optisk fiber, hvor lyset kan snoes højre eller venstre om.

Sun 15-12-
2013



Optical sinc-shaped Nyquist pulses of exceptional quality
Sinc-shaped Nyquist pulses possess a rectangular spectrum, enabling data to be encoded in a minimum spectral bandwidth and satisfying by essence the Nyquist criterion of zero inter-symbol interference (ISI). This property makes them very attractive for communication systems since data transmission rates can be maximized while the bandwidth usage is minimized. However, most of the pulse-shaping methods reported so far have remained rather complex and none has led to ideal sinc pulses.

[Here we report](#) a method to produce sinc-shaped Nyquist pulses of very high quality is proposed based on the direct synthesis of a rectangular-shaped and phase-locked frequency comb.
