

The logo features the word "colloquium" in a large, red, serif font. Above the right side of the word, the acronym "ICFO^R" is written in a smaller, grey, sans-serif font.

ICFO Colloquium ANATOLY GRUDININ 'Advances and emerging applications of ultrafast fiber lasers'

ANATOLY GRUDININ

October 07, 2013

Monday, October 7, 2013, 12:00. ICFO's Auditorium

ANATOLY GRUDININ

Chief Executive Officer, FIANIUM

Southampton, UNITED KINGDOM

In this talk we review latest developments and applications of picosecond and femtosecond fiber lasers. Considered for a long time as emerging technology with high scientific interest and tremendous potential, ultrafast fiber lasers are now widely used in a growing number of applications. Motivated by rapid improvement of performance and attractive features such as compactness and low ownership cost, ultrafast fiber lasers now challenge conventional DPSS ultrafast sources across numerous industrial sectors. Matured fiber laser technology also

enables development of unique sources such as supercontinuum lasers capable of enabling scientific discovery as well as replacing incumbent illumination technologies within industrial instruments and systems. Results are being realized and ultrafast fiber lasers are now penetrating into production floor of parts and components for consumer electronics but the hunt for new applications continues.

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Hosted by Prof. Valerio Pruneri

