

## 3rd International Conference and Exhibition on Lasers, Optics & Photonics September 01-03, 2015 Valencia, Spain

New ultrafast fiber lasers covering uv to mid-IR with nonlinear optics

Nasser Peyghambarian University of Arizona, USA

Nonlinear optics (NLO) including second harmonic generation, fourth harmonic generation, optical parametric processes, difference frequency generation, and Raman effects would allow generation of new laser frequencies over a wide spectrum. Our recent results in developing fiber lasers sources covering uv to mid-IR will be summarized.

## **Biography**

Nasser Peyghambarian received his Ph.D. in solid-state Physics from Indiana University in 1982. He then joined the University of Arizona where he is currently a Professor at the College of Optical Sciences and the Department of Materials Science & Engineering. He is an adjunct professor at the Electrical Engineering Department at UC San Diego, and the Director of the NSF Engineering Research Center for Integrated Access Networks. Additionally, he is the Chair of Photonics and Lasers at the University of Arizona and Director of the Photonics Initiative. He has over 500 publications in refereed journals and more than 25 patents.

Nasser@optics.arizona.edu

Notes: