

Warsaw, 12th of April 2018

Certificate of Completion

this is to certify that

Shreesha Rao Delanthabettu Shivarama

participated in and completed

First Workshop on Photonic Crystal Fiber Technology for Ultrafast Optics Applications

at Institute of Electronic Materials Technology

Wolczynska 133, 01-919 Warsaw, Poland

from 9th to 12th of April, 2018

Laboratory workshop program included 25 hours of hands-on training in divided into five blocks:

- 5h exercise on stacking and drawing of photonic crystal fiber preforms at a fiber drawing tower
- 5h exercise preform preparation and drawing of preforms at a fiber drawing tower
- 5h exercise on drawing of photonic crystal fibers at a fiber drawing tower
- 5h of exercise on chromatic dispersion measurements in the developed photonic crystal fibers
- 5h of exercise on synthesis of heavy metal oxide nonlinear glasses for fiber development

Lecture program of the workshop included five 1 hour-long lectures on the following topics:

- "Mode-locking in fiber lasers" by dr hab. Grzegorz Soboń, Wrocław University of Technology, Poland
- "Low noise supercontinuum generation in all normal dispersion fibers - from principles to applications" by dr Alexander Heidt, University of Bern, Switzerland
- "Fabrication of chalcogenide fibers" by dr Johann Troles, Université de Rennes I Equipe Verres et Céramiques, France
- "Towards 12um high-power supercontinuum sources" by prof. Ole Bang, DTU Fotonik, Denmark
- "Basic Parameters of optical fibers you always wanted to know (but were afraid to measure it)" by dr Tadeusz Martynkien, Wrocław University of Technology, Poland

Total duration of the Workshop training was 30 hours, where 1 hour = 60 minutes.



Workshop General Chair
dr hab Mariusz Klimczak
ITME



ITN SUPUVIR Coordinator
prof. Morten Bache
DTU Fotonik