

# School on Advanced Light-Emitting and Optical Materials

15-16 July, 2019

**Monday, July 15**

**Hilmi Volkan Demir**  
Nanocrystal Perovskite LEDs

**Haizheng Zhong**  
Efficient Light-emitting Diodes Based on In-situ Fabricated Perovskite Nanocrystals

**Jochen Feldmann**  
Halide Perovskite Nanocrystals: from platelets and cubes to supercrystals

**Lunch**

**Valy Vardeny**  
Studies of giant Rashba-splitting in 2D organic-inorganic halide perovskites

**Qinghai Song**  
Lead halide perovskite based microlasers: from material to on-chip integrated devices

**Nikolai Gaponik**  
Tuning of luminescence color and stability of CsPbX<sub>3</sub> perovskite nanocrystals by encapsulation methods

**Coffee-break**

**Andrey Rogach**  
Chemically synthesized carbon dots: optical properties and prospects of application

**Yanlin Song**  
Green Printing Technology for Manufacturing Functional Devices

**Albert Nasibulin**  
Tailoring electronic structure of SWCNTs for transparent and conductive film applications

**Tuesday, July 16**

**Yury Rakovich**  
Plasmon-exciton strong coupling: new developments in nanophotonics

**Suklyun Hong**  
Theoretical Study of 2D Materials and Their Heterostructures

**Cefe Lopez**  
True value of disorder

**Lunch**