

Program

Thursday 27th August

Session 1

09:00-09:15 **Welcome** (Serdar Özçelik (IZTECH, İzmir))

09:15-10:00 **Jana Zaumseil** (University of Heidelberg)

Light-emitting field-effect transistors as a platform for optoelectronics and plasmonics

10:00-10:45 **Alpan Bek** (METU, Ankara)

Nonlinear conversion of continuous wave light by Fano resonant all-plasmonic / molecular-plasmonic hybrid nanostructures

10:45-11:15 coffee break

Session 2

11:15-12:00 **Elefterios Lidorikis** (University of Ioannina)

Modelling and design of graphene-based applications in sensing and photodetection

12:00-12:30 **Hodjat Hajian** (Bilkent University, Ankara)

Guided plasmonic modes of a graphene-coated Kerr slab

12:30- 14:00 lunch

Session 3

14:00-14:45 **Bülend Ortaç** (Bilkent University, Ankara)

The Development and Application of High Performance Laser Systems

14:45-15:30 **Ümit Demirbaş** (International Antalya University)

Femtosecond Cr:Colquiriite Lasers with Ultralow Timing Jitter Noise

15:30-16:00 **Seydi Yavaş** (FiberLast, Ankara)

Ultrafast Fiber Lasers: From Lab to the Industry

16:00-16:30 coffee break

Session 4

16:30-17:15 **Feridun Ay** (Anadolu University, Eskişehir)

Integrated Optical Waveguide Amplifiers and Lasers

17:15-17:45 **Onur Kuzucu** (ASELSAN, Ankara)

High-pulse Energy Mid-infrared Intracavity Optical Parametric Oscillator

17:45-19:00 Poster Session

19:30- 21:30 Conference Dinner

Friday 28th August

Session 1

09:00-10:00 **Ataç İmamoğlu** (ETH Zurich)

Quantum optics in condensed matter systems

10:00-10:45 **Iacopo Carusotto** (University of Trento)

Recent advances in topological photonics and fluids of light

10:45-11:15 coffee break

Session 2

11:15-12:00 **Alper Kiraz** (Koç University, İstanbul)

Potential of Optofluidic Resonators for Biosensing

12:00-12:30 **Rajesh V. Nair** (Indian Institute of Technology, Ropar)

Tuning the light transport and emission using 3D photonic crystals

12:30-14:00 lunch

Session 3

14:00-14:45 **Vitezslav Benda** (Czech Technical University in Prague)

Present development in the field of photovoltaic cells and modules

14:45-15:30 **Harald Hoppe** (Ilmenau University of Technology)

Controlling Structural Order and Phase Separation in Polymer:Fullerene Bulk Heterojunction Solar Cells

15:30-16:00 coffee break

Session 4

16:00-16:45 **Asghar Asgari** (University of Tabriz)

Graphene based Solar Cells: future solar cells?

16:45-17:15 **Aziz Kolkıran** (İzmir Katip Çelebi University)

Subwavelength resolution by using the near field of Quantum Emitters