

Program

Wednesday, September 21st

9:00-11:00	New Media Handling Seminar Xavi Marti (Czech Academy of Sciences, Czech Republic) <i>(The seminar will be held at the Institute of Physics, Czech Academy of Sciences)</i> Introduction <i>Types of channels for different purposes. Which are the reasonable metrics? What to do after you know your big paper is accepted? News outlets, local media, national TV, newspapers, radio, examples and strategies.</i>
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11:00-11:30 Coffee Break

11:30-12:30	Warming up! <i>Brainstorming for selecting a topic for a real example video posted on YouTube. Scene selection. Text to be included. Main messages.</i>
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12:30-14:00 Lunch Break

14:00-16:00	Hands-on <i>Creating the video scenes using MATLAB and free video editing tools. Creating of a 3 minute video in-situ. Posting.</i>
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16:00-16:30 Coffee Break

16:30-17:30	Final Tips <i>Creating animated GIF files. Rethinking the text accompanying the video. What to do and what not to do for disseminating videos?</i>
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17:30-19:00 --

19:00-? Registration
Welcome Reception
(Hotel Adria)

Thursday, September 22rd

8:50-9:00 Opening
(Hotel Adria)

	Novel Materials for THz Applications
9:00-10:00	Invited talk Elena Buixaderas (Czech Academy of Sciences, Czech Republic) <i>Chasing phonons and relaxations in perspective materials for electronics</i>
10:00-11:00	Invited Talk Istvan Kezsmarki (Budapest University of Technology and Economics, Hungary) <i>To be announced</i>

11:00-11:30 Coffee Break

11:30-11:45	Stella Skiadopoulou (Czech Academy of Sciences, Czech Republic) <i>Dynamic Magnetolectric Coupling for THz devices</i>
11:45-12:00	Svitlana Kondovych (University of Picardie Jules Verne, France) <i>Modelling of the electrostatic interaction effects in ferroelectric nanofilms</i>
12:00-12:15	Daniele Palaferri (University Paris Diderot, France) <i>Antenna-coupled microcavity quantum infrared detectors</i>
12:15-12:30	Andreas Klein (University of Durham, UK) <i>Photonic Crystals for THz: Properties and Applications</i>

12:30-14:00 Lunch

	Polaritonic THz emission
14:00-15:00	Invited Talk Ivan Shelykh (University of Iceland) <i>THz emission from dipolaritons</i>
15:00-16:00	Invited Talk Angela Vasanelli (University Paris Diderot, France) <i>Room temperature THz emission by ultra-strong light-matter coupling</i>

16:00-16:30 Coffee Break

16:30-16:45	Vanik Shahnazaryan (University of Iceland) <i>Terahertz radiation from the ensemble of asymmetric quantum dots</i>
16:45-17:00	Maryam Hajji (University of Durham, UK) <i>Compact Fresnel reflectors for Terahertz applications</i>
17:00-17:15	Azat Gubaydullin (Physical Technical Institute, Russia) <i>Nonlinear properties of InAs monolayer-based Bragg structures</i>
17:15-17:30	Jakub Vit (Institute of Physics, Czech Academy of Sciences, Czech Republic) <i>Electromagnon in Y-type hexaferrite BaSrZnCoFe₁₁AlO₂₂</i>

17:30-19:00 --

19:00-? Conference Dinner (*Hotel Adria*)

Friday, September 23rd

Plasmonic Enhancement

9:00-10:00 **Invited talk**

Mona Jarrahi (University of California, Los Angeles, USA)

To be announced

10:00-11:00 **Invited Talk**

Jaime Gomez Rivas (Eindhoven University of Technology, Netherlands)

Active THz plasmonics

11:00-11:30 Coffee Break

11:30-11:45 **Vladimir Pushkarev** (Czech Academy of Sciences, Czech Republic)

Terahertz photoconductivity in Silicon nanocrystals superlattices

11:45-12:00 **Jirka Kucharik** (Czech Academy of Sciences, Czech Republic)

Charge transport in TiO₂ nanotubes studied by Terahertz spectroscopy

12:00-12:15 **Vit Zajac** (Czech Academy of Sciences, Czech Republic)

Picosecond transport in r-TiO₂ at high carrier densities studied by transient THz spectroscopy

12:15-12:30 **Petr Ondrejko** (Czech Academy of Sciences, Czech Republic)

Inelastic neutron scattering in the Terahertz range

12:30-14:00 Lunch

Carbon Nanomaterials for THz Applications

14:00-15:00 **Invited Talk**

Junichiro Kono (Rice University, USA)

Terahertz science and technology of Carbon nanomaterials

15:00-16:00 **Invited Talk**

Mikhail Shuba (Belarus State University, Belarus)

Interaction of Carbon nanotubes with Terahertz radiation

16:00-16:30 Coffee Break

16:30-16:45 **Vasil Saroka** (University of Exeter, UK)

Terahertz transitions in quasi-metallic graphene nanoribbons

16:45-17:00 **Ignas Neviskas** (Center of Physical Sciences and Technology, Lithuania)

THz pulse emission from InAs-based epitaxial structures grown on InP substrates

17:00-17:15 **Peter Karlsen** (University of Exeter, UK)

Characterization of 1D Nanostructures using Optical Pump – Terahertz Probe Time-Domain Spectroscopy

17:15-19:00 **Poster session**

19:00-? Free time

Saturday, September 24th

9:00-10:00	Invited talk Stephane Poss (Alpes Lasers SA, Switzerland) <i>PhD! And now?</i>
10:00-11:00	Invited Talk Jirka Hlinka (Institute of Physics, Czech Academy of Sciences, Czech Republic) <i>Terahertz material design aided by arrows</i>

11:00-11:30 Coffee Break

11:30-11:45	Invited Talk Pierre Gellie (University Paris Diderot – Lytid, France) <i>Terahertz photoconductivity in Silicon nanocrystals superlattices</i>
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12:30-14:00 Lunch Break

14:00-18:00 Excursion

18:00-19:00 --

19:00-? Dinner at Medieval Restaurant

