

# Visegrad Kick-off Project Meeting 2020



**Wednesday, October 14, 2020 - Thursday, October 15, 2020**

**ELI Beamlines**

## **Scientific Program**

**Dear speakers of Thursday sessions,**

**we have noticed that e-mails with panelist links are sometimes blocked by institutional firewalls. In case you did not receive your panelist link, please join through the session links below as an attendee. A host of your session will transfer you a presenter role along the way.**

**The talk by Jozef ULIČNÝ has been postponed to Thursday (15.10) and will start at 15:30.**

**Wednesday, October 14<sup>th</sup>, 2020**

**13:00 - 15:00 Session X-RAY SPECTROSCOPY APPLICATIONS** (joint session with User Conference Panel 11) **JOIN ONLINE** **via WEBEX**

**Chair: Anna Zymaková (Czech Republic)**

**13:00 - 13:30 Jacinto SÁ** (Institute of Physical Chemistry Polish Academy of Sciences, Poland) / *Plasmonics: From Light Absorption to Charge Generation and Utilization* / **Abstract**

**13:30 - 14:00 Jakub SZLACHETKO** (Institute of Nuclear Physics Polish Academy of Sciences, Poland) / *Polychromatic Sources for Modular X-ray Spectroscopy Setups* / **Abstract**

**14:00 - 14:30 Zoltán NÉMETH** (Wigner Research Centre for Physics, Hungary) / *Quest for an optimal high energy resolution X-ray spectrometer* / **Abstract**

<span style="color:#FF0000"><span style="font-family:arial,Helvetica,sans-serif"><big><span style="font-size:16px">14:30 - 15:00 **Jozef ULIČNÝ** (Pavol Jozef Šafárik University in Košice, Slovakia) / </span></big><span style="font-size:16px">Improving S/N ratio for experiments with limited photon budget - postponed to <span style="background-color:#FFFF00">15.10 at 15:30</span></span></span></span>

<span style="color:#00cc00"><span style="font-family:arial,Helvetica,sans-serif"><big><span style="font-size:18px"><span style="font-family:arial,Helvetica,sans-serif">15:00 - 15:15 Break</span></span></span></span>

<big><span style="color:#FF8C00"><span style="font-family:arial,Helvetica,sans-serif">15:15 - 16:00 <span style="font-size:20px"><u><span style="font-family:arial,Helvetica,sans-serif">Visegrad Group Discussion:</span></u></span></span></big>

<span style="color:#000000"><big><span style="font-family:arial,Helvetica,sans-serif"><span style="font-size:20px"><span style="font-family:arial,Helvetica,sans-serif"><span style="font-size:16px">15:15 - 15:40 <span style="font-size:16px">Prospectives and aims of Visegrad round 2020-2021 (all Visegrad participants)</span></span></span></big></span>

<span style="color:#000000"><big><span style="font-family:arial,Helvetica,sans-serif"><span style="font-size:20px"><span style="font-family:arial,Helvetica,sans-serif"><span style="font-size:16px">15:40-16:00 <span style="font-size:16px">CELIXS discussion (X-ray spectroscopy Visegrad participants)</span></span></span></big></span>

<span style="color:#00cc00"><span style="font-family:arial,Helvetica,sans-serif"><big><span style="font-size:18px"><span style="font-family:arial,Helvetica,sans-serif">16:00 - 16:15 Break</span></span></span></span>

<span style="font-size:16px"><span style="font-family:arial,Helvetica,sans-serif"><span style="color:#800080"><span style="font-family:arial,Helvetica,sans-serif">16:15 - 17:00 Discussion of prospective user applications</span></span></span><span style="color:#000000"><span style="font-family:arial,Helvetica,sans-serif"><span style="color:#000000"><span style="font-family:arial,Helvetica,sans-serif">(J. Andreasson, M. Kloz, J. Sa, J. Szlachetko, M. Rebarz, A. Zymaková, J. Czapla-Masztafiak, W. Stanczyk)</span></span></span></span>

(for ELI chairmen and speakers, on 14.10 the seminar will be held in Room A\*, other participants are kindly invited to join online)

<span style="font-family:trebuchet ms,Helvetica,sans-serif"><span style="font-size:20px"><span style="color:#008000">Thursday, October 15<sup>th</sup>, 2020</span></span></span>

<span style="color:#FF8C00"><u><span style="font-family:arial,Helvetica,sans-serif"><span style="font-size:20px">Introductory session</span></span></u><span style="font-family:arial,Helvetica,sans-serif"><span style="font-size:20px"></span></span></span>

style="font-family:arial,Helvetica,sans-serif"><span style="font-size:20px"><span style="color:#0000FF">**JOIN ONLINE via WEBEX**</span></span></span>

<span style="font-size:16px"><span style="font-family:arial,Helvetica,sans-serif"><span style="color:#0000FF">**event password:** </span></span><span style="color:rgb(0, 0, 0); font-family:ciscosansttregular,Helvetica neue,Helvetica,arial,sans-serif">Intro</span></span>

<span style="color:#000000"><big><span style="font-size:16px"><span style="font-family:arial,Helvetica,sans-serif">10:00 - 10:10 **Anna ZYMAKOVÁ** (ELI Beamlines, Czech Republic) / *Introduction and Welcome*</span></span></big></span>

<span style="color:#000000"><big><span style="font-size:16px"><span style="font-family:arial,Helvetica,sans-serif">10:10 - 10:40 **Jakob ANDREASSON** (ELI Beamlines, Czech Republic) / *Ultrafast science in the E1 experimental hall and its supporting laboratories / Abstract*</span></span></big></span>

<span style="color:#000000"><big><span style="font-family:arial,Helvetica,sans-serif"><span style="font-size:16px">10:40 - 11:10 **Rachael JACK** (ELI Beamlines, Czech Republic) / *The ELIBIO Biolab. Bio-sample preparation and characterization at ELI / Abstract* </span></span></big></span>

<span style="color:#00cc00"><span style="font-size:18px"><span style="font-family:arial,Helvetica,sans-serif">**11:10 - 11:30 Break**</span></span></span>

<span style="font-family:arial,Helvetica,sans-serif"><span style="color:#FF8C00"><span style="font-size:20px"><u><span style="background-color:#FFFFFF">Optical spectroscopy session</span></u><span style="background-color:#FFFFFF"></span></span><span style="font-size:20px"><span style="background-color:#FFFFFF"></span><span style="font-size:20px"><span style="background-color:#FFFFFF"></span><span style="color:#0000FF">**JOIN ONLINE via WEBEX**</span></span></span>

<span style="font-family:arial,Helvetica,sans-serif"><span style="font-size:20px"><span style="background-color:#FFFFFF"><span style="font-size:16px">event password:</span></span></span><span style="color:rgb(0, 0, 0); font-family:ciscosansttregular,Helvetica neue,Helvetica,arial,sans-serif; font-size:14px">OptSpec@ELI</span>

<span style="color:#4B0082"><span style="font-size:16px"><span style="font-family:arial,Helvetica,sans-serif"><span style="background-color:#FFFFFF">**Chair: Jakob Andreasson (Czech Republic)**</span></span></span>

<span style="color:#000000"><span style="font-family:arial,Helvetica,sans-serif"><big><span style="font-size:16px">11:30 - 12:00 **Miroslav KLOZ** (ELI Beamlines, Czech Republic) / *Optical spectroscopy at ELI: latest results and future possibilities / Abstract*</span></big></span></span>

<span style="color:#000000"><span style="font-family:arial,Helvetica,sans-serif"><big><span style="font-size:16px">12:00 - 12:30 **Mateusz REBARZ** (ELI Beamlines, Czech Republic) /

</span></big></span><span style="font-size:16px"><span style="font-family:arial,Helvetica,sans-serif">Photodynamics of transition metal complexes by versatile time-resolved spectroscopy at ELI Beamlines / **Abstract**</span></span></span>

<span style="color:#000000"><span style="font-family:arial,Helvetica,sans-serif"><big><span style="font-size:16px">12:30 - 13:00 **Tamás KESZTHELYI** (Wigner RCP, Hungary) / Present and future ultrafast laser spectroscopy experiments at Wigner RCP / **Abstract**</span></big></span></span>

<span style="color:#00cc00"><span style="font-size:18px"><span style="font-family:arial,Helvetica,sans-serif">**13:00 - 14:00 Lunch Break**</span></span></span>

<span style="font-family:arial,Helvetica,sans-serif"><span style="color:rgb(255, 140, 0)"><span style="font-size:20px"><u>X-ray spectroscopy session</u> </span></span><span style="font-size:20px"><span style="color:#0000FF">JOIN ONLINE via WEBEX</span></span></span>

<span style="font-family:arial,Helvetica,sans-serif"><span style="font-size:20px"><span style="color:#0000FF"><span style="font-size:16px">event password:</span></span></span><span style="color:rgb(0, 0, 0); font-family:ciscosansttregular,Helvetica font-size:14px">XRSpec@ELI</span></span></span>

<span style="color:#4B0082"><span style="font-size:16px"><span style="font-family:arial,Helvetica,sans-serif">**Chair: Jacinto Sá (Poland, Sweden)**</span></span></span>

<span style="color:#000000"><span style="font-family:arial,Helvetica,sans-serif"><big><span style="font-size:16px">14:00 - 14:30 **Anna ZYMAKOVÁ** (ELI Beamlines, Czech Republic) / ELI-BL X-ray spectroscopy end station status report and outlook / **Abstract**</span></big></span></span>

<span style="color:#000000"><span style="font-family:arial,Helvetica,sans-serif"><big><span style="font-size:16px">14:30 - 15:00 **Wojciech B**</span></big><span style="font-size:16px">**Ł**</span></big><span style="font-size:16px">**ACHUCKI** </span></big><span style="font-size:16px">(Institute of Nuclear Physics Polish Academy of Sciences, Poland) / </span></big><span style="font-size:16px">Determination of pulse duration and pulse arrival time at X-ray free-electron lasers / **Abstract**</span></big></span></span>

<span style="color:#000000"><span style="font-family:arial,Helvetica,sans-serif"><span style="font-size:16px">15:00 - 15:30<big> </big><span style="font-size:16px"><big><span style="font-size:16px">Joanna CZAPLA-MASZTAFIAK </span></big></span></big><span style="font-size:16px">(Institute of Nuclear Physics Polish Academy of Sciences, Poland) / </span></big></span></big><span style="font-size:16px"><span style="font-family:arial,Helvetica,sans-serif">Complementary use of various X-ray sources to study metal-based complexes in biological systems / **Abstract**</span></span></big></span>

<span style="color:#000000"><big><span style="font-size:16px"><span style="font-family:arial,Helvetica,sans-serif"></span></big></span>

15:30 - 15:50 /span></span><span style="font-size:16px"></span>  
/span></span></big></span><big><span style="color:#000000"><span style="font-size:16px"></span>  
/span></span></big></span><big><span style="color:#000000"><span style="font-family:arial,Helvetica,sans-serif">**Jozef ULIČNÝ** (Pavol Jozef Šafárik University in Košice, Slovakia)</span></span> / </span></big><span style="color:#000000"><span style="font-family:arial,Helvetica,sans-serif; font-size:16px">Improving S/N ratio for experiments with limited photon budget</span></span><span style="color:rgb(255, 0, 0); font-family:arial,Helvetica,sans-serif; font-size:16px"> </span>

15:50 - 16:00 Discussion, closing remarks</big></span></span></span>

(for ELI chairmen and speakers, on 15.10 the seminar will be held in Dark Room\*, other participants are kindly invited to join online)

\* Due to the updated COVID restrictions, the limit amount per seminar room is 6 people incl. 1 IT support person