



**TAL  
TECH**



TALLINNA ÜLIKOOL



Keemilise ja  
Bioloogilise Füüsika Instituut  
National Institute of Chemical Physics and Biophysics

University of Tartu, ASTRA project PER ASPERA (code 2014-2020.4.01.16-0027)

GRADUATE SCHOOL OF FUNCTIONAL MATERIALS AND TECHNOLOGIES

SCIENTIFIC CONFERENCE 2021

14-15 June, 2021

V spa Conference Center, Riia 2, Tartu, KVARTAL

PROGRAM

DAY 1; June 14, 2021

<b>Chairman</b>	9:30-10:25	<b>Registration + coffee</b>	
	10:25-10:30	<b>Opening</b>	Opening words by <b>prof Enn Lust (head of the council of GSFMT)</b>
<b>Toomas Plank Kaupo Kukli Enn Lust</b>	10:30-10:50	<b>Jaanus Burk</b> , Lauri Sikk, Peeter Burk, <i>“Study of bithphen and its derivatives complexation with lanthanides and actinides”</i> , University of Tartu.	
	10:50-11:10	<b>Jan-Michael C.Cayme</b> , Peeter Somelar, Rasmus Palm, Ester Oras, Signe Vahur, Ivo Leito <i>“Keeping organic compounds in an ancient pottery :a preliminary investigation on the effect of clay matrix”</i> , University of Tartu.	
	11:10-11:30	<b>Riinu Härmas</b> , Rasmus Palm, Margarita Russina, Heisi Kurig, Veronika Grizemek, Eneli Härek, Miriam Koppel, Indrek Tallo, Maarja Paalo, Ove Oll, Jan Embs, Enn Lust <i>“Transpost properties of H<sub>2</sub> confined in carbide-derived carbons with different pore shapes and sizes”</i> University of Tartu.	
	11:30-11:50	<b>Jaana Lilloja</b> , Elo Kibena-Põldsepp, Ave Sarapuu, John D. Douglin, Maike Käärrik, Jekaterina Kozlova, Arvo Kikas, Päärn Paiste, Jaan Aruväli, Jaan leis, Väino Sammelselg, Dario R. Dekel, Kaido Tammeveski <i>“Transition metal and nitrogen-doped carbide-derived carbon/carbon nanotube composites as electrocatalysis”</i> University of Tartu.	
	11:50-12:10	<b>Percy Alao</b> , Laetitia Marrot, Jaan Kers, <i>“Utilization of Estonian cultivated hemp fibre (a by product of cannabidiol production) ,as a reinforcing material for bio-based thermoplastic composite”</i> Tallinn University of Technology.	
	12:10-12:30	<b>Nele Reimets</b> , Kerti Ausmees, Sirje Vija, Indrek Reile <i>“Developing analytical applications for parahydrogen hyperpolarization: urinary elimination pharmacokinetics of nicotine”</i> , National Institute of Chemical Physics and Biophysics.	
	12:30-13:30	<b>LUNCH</b>	
<b>Enn Lust, Toomas Plank</b>	13:30-13:50	<b>Madis Lüsi</b> , Heiki Erikson, Kaido Tammeveski, Jose Solla-Gullon, Juan M. Feliu <i>“Oxygen reduction reaction on Pd nanoparticles supported on novel mesoporous carbon materials”</i> , University of Tartu.	



	13:50-14:10	<b>Maarja Paalo</b> , Indrek Tallo, Thomas Thomberg, Alar Jänes, Enn Lust, "Enhanced power performance of highly mesoporous sol gel TiC derived carbons in ionic liquid and non-aqueous electrolyte based capacitors", University of Tartu.
	14:10-14:30	<b>Alar Heinsaar</b> , Indrek Kivi, Priit Möller, Kuno Kooser Tanel Käämbre, Jaan Aruväli, Enn Lust, Gunnar Nurk "Influence of B-site stoichiometry on the $(La_{0.6}Sr_{0.4})_{0.99}Co_{1-x}Ti_3$ soft oxygen electrode stability", Tartu University.
	14:30-14:50	<b>Jekaterina Sydorenko</b> , Mati Danilson, Arno Mere, Malle Krunks, Mariana Krichevskaya, Ilona Oja Acik "Gas-phase photocatalytic oxidation VOCs on the $TiO_2$ thin films", Tallinn University of Technology.
	14:50-15:10	<b>Priit Tikker</b> , Niina Dulova, Jakov Kornev, Sergei Preis, "Effects of persulfate and hydrogen peroxide on oxidation of oxalate by pulsed corona discharge treatment", Tallinn University of Technology.
	<b>15:10-15:30</b>	<b>Nele Mandre</b> , Tiia Palmus, Andres Krumme, "Structure, characteristics and impact of treatment on durability of denim fabric containing elastomeric fibre", Tallinn University of Technology.
	<b>15:30-16:00</b>	<b>COFFE</b>
	<b>16:00-18:00</b>	<b>POSTER SESSION</b> Please hang up your poster (max size A0) at conference <b>day 1</b> , according to your poster number (PX) and <b>remove at conference day 2</b> (after the poster session at 13:20). <b>16:00-17:20</b> Poster presentations + max 3 min oral presentations (may include 1-2 PowerPoint slides) and after the session be available for discussions by your poster. <b>16:45-18:30</b> Poster presentations & Discussions
	<b>18:00-19:00</b>	<b>Conference dinner</b>
	<b>19:00-20:00</b>	<b>Excursion "Shipping on Emajõgi"</b>

## POSTER PRESENTATIONS

3 min talk +2 min questions = 5 min	<b>Poster presentations + 3 min oral presentations</b>	
	<b>ROOM 1, Sweden</b> <b>Chairman: Ove Oll, Tõnu Laas</b>	<b>ROOM 2, Finland</b> <b>Chairman: Maarja Grossberg, Kerli Liivand</b>
<b>16:00-16:05</b>	<b>P1 Ritums Ceptis</b> , N.Kongi, V.Ivaništšev, "Modeling of bifunctional oxygen electrocatalysis in carbonized mofs", University of Tartu.	<b>P15 Siim Tõkke</b> , Tõnu Laas, "Impact of pulsed deuterium plasma irradiation on the surface of dual-phase tungsten and tungsten HEA", Tallinn University.
<b>16:05-16:10</b>	<b>P2 Jevgenija Martõnova</b> , Jasper Adamson, Sandra Kaabel, Kirill Shubin, Riina Aav, "Application of cobalt-containing metal-organic framework as crystalline sponge", National Institute of Chemical Physics and Biophysics.	<b>P16 Dmytro Danilian</b> , Meeri Visnapuu Angela Ivask, Rainer Pärna, Vambola Kisand "Novel antimicrobial surfaces based on Cu-Cu <sub>2</sub> O/TiO <sub>2</sub> nanoparticles", University of Tartu.
16:10-16:15	<b>P3 Heigo Ers</b> , V.Voroshlyova, B.Docampo-Alvarez, P.Pikma, V.Ivaništšev, M.N.D.Cordeiro, "Investigating the hysteresis of differential capacitance of the ionic liquid-gold interface using MD simulations", University of Tartu.	<b>P17 Robert Krautmann</b> , Nicolae Spalatu, Rene Gunder, Daniel Abou-Ras, Thomas Unold, Susan Schorr, Ilona Oja Acik, Malle Krunks "Analysis of grain orientation and defects in Sb,Se solar cells fabricated by close-spaced sublimation", Tallinn University of Technology.
16:15-16:20	<b>P4 Mehmet Ender USLU</b> , Olga Volobujeva, Kristi Timmo, Maarja Grossberg, "The optoelectronic properties of $Sb_2(Se_{1-x}S_x)_3$ (x=0-1) solid solutions", Tallinn University of Technology.	<b>P18 Eerik Jõgi</b> , Ingrid Väiling, Toonika Rincken, "The analysis of E. coli immunosensor output for the assessment of coli index in natural water", University of Tartu.

	<b>ROOM 1 (Sweden)</b>	<b>ROOM 2 (Finland)</b>
16:20-16:25	<b>P5 Kaarel Kisand</b> ,Ave Sarapuu,Arvo Kikas,Vambola Kisand,Mihkel Rähn, Alexey Treshchalov, Maike Käärik, Helle-Mai Piirsoo,Jaanel Aruväli, Päärn Paiste, Jaan Leis, Väino Sammelselg, Aile Tamm,Kaido Tammeveski <i>"Bifunctional multi-metallic nitrogen-doped nanocarbon catalysts derived from 5-methylresorcinol"</i> ,University of Tartu.	<b>P19 Jagadeesh Varma Nallaparaju</b> , Dzmitry Kananovich, Riina Aav, <i>"Mechanochemical conversion 1,2,3-trichloropropane into homoallylic alcohols"</i> , Tallinn University of Technology.
16:25-16:30	<b>P 6 Carl-Thomas Piller</b> ,Jüri Raud,Lauri Aarik, <i>"Measurement of the electron density using <math>H_{\alpha}</math> spectral line broadening in a cold atmospheric pressure argon plasma jet"</i> ,University of Tartu.	<b>P 20 Liina Onga</b> ,Eneliis Kattel-Salusoo,Marina Trapido,Sergei Preis, <i>"Oxidation of aqueous corticosteroid dexamethasone with pulsed corona discharge"</i> ,Tallinn University of Technology.
16:30-16:35	<b>P7 Jinfeng Zhao</b> ,Ove Oll,Georg Gorbatovski,Enn Lust, <i>"Exploring the interfacial behaviour of aluminium electrodes in ionic liquids :an impedance study"</i> , University of Tartu.	<b>P21 Patrick Teppor</b> ,Rutha Jäger,Maarja Paalo, Meelis Härmas,Anu Adamson,Olga Volubujeva, Eneli Härk,Zdravko Kochovski,Tavo Romann,Riinu Härmas,Jaanel Aruväli,Arvo Kikas,Enn Lust, <i>"Peat as a carbon source for bifunctional platinum-free oxygen electrocatalysts"</i> ,University of Tartu.
16:35-16:40	<b>P8 Joonas Merisalu</b> , Taivo Jõgiaas, Aarne Kasikov, Aile Tamm, Jaanel Aarik, Kaupo Kukli, <i>"Resistive switching in mixed aluminium oxide and zirconium oxide thin films"</i> ,University of Tartu.	<b>P22 Akmal Kosimov</b> , Amina Alimbekova, Jaanel Aruväli, Nadežda Kongi, <i>"Green and cost-efficient synthesis of bifunctional M-N-C-type electrocatalysts"</i> , University of Tartu.
16:40-16:45	<b>P9Jonas Mart Linge</b> ,Heiki Erikson Maidu Merisalu,Väino Sammelselg, Kaido Tammeveski, <i>"Oxygen reduction on silver catalysts electrodeposited on various nanocarbon supports"</i> , University of Tartu.	<b>P23 Denys Bondar</b> , Yevgen Karpichev, <i>"Nanodiamonds as a platform for biomedical application"</i> Tallinn University of Technology.
16:45-16:50	<b>P10 Oleg Silenko</b> , Nandish M. Nagappa, Sergey Cherenok,V.I.Kalchenko, Yevgen Karpichev, <i>"Design of new phosphorylated amphiphilic calix[4]arenes"</i> , Tallinn University of Technology.	<b>P24 Javad Karimi</b> , Prashanth Konda Gokuldoss, <i>"Microstructure and mechanical properties of HEA alloys fabricated by selective laser melting of powder mixtures"</i> , Tallinn University of Technology.
16:50-16:55	<b>P11 Merike Martsepp</b> ,Tõnu Laas, Katrin Laas, Maksim Antonov, <i>"Fourier spectrum of the stochastic relief of plasma irradiated tungsten samples"</i> Tallinn University.	<b>P25 Kristel Möls</b> ,Lauri aarik,Aivar Tarre,Hugo Mändar,Aarne Kasikov,Ahti Niilisk,Jaanel Aarik, <i>"Synthesis and properties of titania films containing anatase,rutile and high-pressure TiO<sub>2</sub>-II"</i> ,University of Tartu.
16:55-17:00	<b>P12 Huy Oui Vinh Nguyen</b> ,Jaak Nerut,Heili Kasuk, Peeter Valk,Meelis Härmas,Jaanel Aruväli, Marian Külaviir,Päärn Paiste,Enn Lust, <i>"Methanol oxidation on platinum-ceria catalysts"</i> ,University of Tartu	<b>P26 Tatsiana Shalima</b> ,Tatsiana Dalidovich,Elina Suut, Dzmitry Kananovich,Riina Aav <i>"HPLC-MS as a tool for screening mechanochemicals synthesis of macrocycles"</i> ,Tallinn University of Technology.
17:00-17:05	<b>P13 Andreas Nölvak</b> ,Laura Elise Arvisto,Gunnar Nurk, Alexander Vanetsev, Glen Kelp, Tanel Tätte, <i>"Yttria-stabilized zirconia microtubes as solid oxide fuel cell electrolyte"</i> , University of Tartu.	<b>P27 Tatsiana Dalidovich</b> ,Kamini Mishra,Tatsiana Shalima,Marina Kudrjašova, <i>"Development of mechanochemical C-N bond forming reactions"</i> , Tallinn University of Tecnology.
17:05-17:10	<b>P14 Shidong Chen</b> , Signe Vahur,Anu Teearu,Taisi Juus,Mikahail Zhalin,Svetlana Savchenko,Svetlana Oshibkina,Vitali Asheichuk,Aleksandr Vashanau,... <i>"Classification of archaeological adhesives from Eastern Europe and Urals by ATR-FT-IR spectroscopy and chemometric analysis"</i> University of Tartu,	<b>P28 Helle Mai Piirsoo</b> ,Taivo Jõgiaas, Hugo Mändar, Peeter Ritslaid, Kaupo Kukli, Aile Tamm, <i>"Microstructure and mechanical properties of atomic layer deposited alumina doped zirconia"</i> University of Tartu.

<b>POSTER PRESENTATIONS ROOM 1 (Sweden) and ROOM 2 (Finland)</b>	
<b>P29</b>	<b>Fairouz Ghisani</b> , Kristi Timmo, Mare Altosaar, "Characterization of tetrahederite $Cu_{10}Cd_2Sb_4S_{13}$ monograin materials grown in molten $CdI_2$ and $LiI$ ", Tallinn university of Technology.
<b>P30</b>	<b>Bijan Barghi</b> , Allan Niidu, "Kinetic modeling of catalyst deactivation for light gas catalytic cracking in the presence of steam", Tallinn University of Technology.
<b>P31</b>	<b>Yogesh Kumar</b> , Elo kibena- Põldsepp, Jekaterina Kozlova, Arvo Kikas, Vambola Kisand, Jaan Aruväli, Aile Tamm, John C. Douglin, Dario R. Dekel, Kaido Tammeveski, "Mixed metal phthalocyanine-modified carbon nanotubes as bifunctional oxygen electrocatalyst", University of Tartu.
<b>P32</b>	<b>Nguyen Kim Ngan Bui</b> , Sigrid Selberg, Koit Herodes, Ivo Leito "Universal derivatization reagents in LC-MS" University of Tartu
<b>P33</b>	<b>Abrar Hussain</b> , Vitali Podgursky, Maksim Antonov Dmitri Gonjandin, Mart Vijus, "WC tribology for circular economy of manufacturing textile industries" Tallinn University of Technology
<b>P34</b>	<b>Dmitry Trubitsõn</b> , Tõnis Kanger, "Enantioselective organocatalytic synthesis of N-alkylated indoles", Tallinn University of Technology.
<b>P35</b>	<b>Kristjan Siilak</b> , Tatsiana Dalidovich, Tatsiana Shalima, Marina Kudrjašova, Lukaš Ustrnul, Riina Aav, "Anion binding of biotinuril derivatives enhanced by silver cation", Tallinn University of Technology.
<b>P36</b>	<b>Tõnis Paara</b> , Sven Lange, "Using nano-additives to increase the oxygen barrier of polymers" University of Tartu.
<b>P37</b>	<b>Dmitri Nikitin</b> , Priit Tikker, Sergei Preis, "Oxidation of bisphenol a by pulsed corona discharge: impacts of plasma-liquid contact surface and a surfactant radical scavenger", Tallinn University of Technology.
<b>P38</b>	<b>Ott Rebane</b> , Marco Kirm, Larisa Poryvkina, Sergey Babichenko, "Fluorescence dependence of hydrogen peroxide vapour concentration of bacterial spores" University of Tartu.
<b>P39</b>	<b>Erkin Najafli</b> , "Synthesis of platinum modified nanocarbon catalysts for fuel cell application" Tallinn University of Technology
<b>P40</b>	<b>Mustafa Cem USTA</b> , Can Rüstü Yörük, Andre Gregor, Tiina Hain, Mai Uibu, Andres Triikkel, "Effects of process parameters on strength and carbonation of engineered building materials by calcium rich alkali wastes", Tallinn University of Technology.
<b>P41</b>	<b>Marielis Kimm</b> , Maksim Ošeka, Tõnis Kanger, "Asymmetric organocatalytic [2,3]-Wittig rearrangement of cyclohexanone derivatives", Tallinn University of Technology
<b>P42</b>	<b>Maryam Kazemi</b> , Kerli Liivand, Ivar Kruusenberg, Peter Walke Valdek Mikli, Mai Uibu, Digby D. Macdonald "New carbon-based catalyst synthesis from spent Li-ion batteries for electrochemical oxygen reduction", National Institute of Chemical Physics and Biophysics.
<b>P43</b>	<b>Taavi Tikk</b> , Sven Lange, Tõnis Paara, Marko Eltermann, Andres Krumme, "Performance of $TiO_2:Sm^{3+}$ based optical sensor embedded in cavitated polymer films", University of Tartu.
<b>P44</b>	<b>Tanel Sõrmus</b> , Kaido Viht, "Optimization of protein kinase A inhibitor ARC-1408 intrachain amino acid" University of Tartu
<b>P45</b>	<b>Zengjun Chen</b> , Tatjana Dedova, Ilona Oja Acik, Malle Krunk, "Temperature and thickness effect of NiO layer on photocatalytic activity of NiO/ZnO heterostructure by ultrasonic spray method", Tallinn University of Technology.
<b>P46</b>	<b>Kait Kaarel Puss</b> , Siim Salmar, "Ultrasound assisted solubilisation of hydrolysis lignin", University of Tartu.
<b>P47</b>	<b>Henry Vider</b> , Siim Salmar, "In-depth look into native lignin solubility and solvation" University of Tartu.
<b>P48</b>	<b>Ehsan Zarmehri</b> , Ivar Kruusenberg, Andris Šutka, "Vanadium and nitrogen co-doped multi-walled carbon nanotube electrocatalyst for oxygen reduction reaction", National Institute of Chemical Physics and Biophysics.
<b>P49</b>	<b>Shrikant S. Pawade</b> , Sigrid Selberg, Sofia Thsepelevitsh, Ivo Leito, Koit Herodes, "Comprehensive analytical characterisation of lignins obtained with different technologies", University of Tartu.
<b>P50</b>	<b>Elizaveta Shmagina</b> , Sergei Bereznev, "Comparative study of $SiO_x$ layers deposition using thermal and UV-assisted curing of perhydropolysilazane", Tallinn University of Technology.
<b>P51</b>	<b>Larissa Silva Maciel</b> , Arianna Marengo, Koit Herodes, "Derivatization-targeted analysis of amino compounds in neutral loss acquisition mode by liquid chromatography coupled to triple quadrupole mass spectrometry", University of Tartu.
<b>P52</b>	<b>Ernesto De Jesus Zapata Flores</b> , Koit Herodes, Ivo Leito, "Derivatization reagents for negative mode LC-MS" University of Tartu.

<b>P53</b>	<b>Kätlin Kaare</b> , Ivar Kruusenberg, Aleksandrs Volperts, Aivars Zhurinsh, Galina Dobeļe, Peter Walke, Valdek Mikli <i>"Heteroatom-doped nanocarbons derived from black liquor as the oxygen reduction reaction catalysts"</i> , National Institute of Chemical Physics and Biophysics.
<b>P54</b>	<b>Gizem Hacialioglu-Erlenheim</b> , Kaia Tõnsuaadu, Kristjan Urtson, Toivo Kallaste, Andres Triikkel, <i>"Elements distribution between solid and liquid phases in hydrochloric acid treatment of phosphate ore"</i> , Tallinn University of Technology
<b>P55</b>	<b>Alla Troska</b> , M. Arujõe, A. Ploom, <i>"Impact of steric effects in solid-phase aza-peptide bond synthesis"</i> , University of Tartu.
<b>P56</b>	<b>Martin Jantson</b> , <i>"AA7075 heat treatment optimisation for automotive industry"</i> , National Institute of Chemical Physics and Biophysics.

**DAY 2; June 15, 2021**

Chairman		<b>Oral presentations</b>
<b>Ove Oll, Rainer Pärna, Kaido Tammeve ski</b>	9:30-9:50	<b>Akram Abdalla</b> , Sergei Bereznev, "Pulsed laser deposition of Zn(O,Se) layers for optoelectronic applications", Tallinn University of Technology.
	9:50-10:10	<b>Mati Kook</b> , I. Kuusk, R. Pärna, T. Käämbre, A. Kikas, A. Tõnisoo, A. Kivimäki, L. Reisberg, V. Kisand "Ion fragmentation study of [EMMIM]/[TESI], [EMIM]/[OTF] and [EMIM]/[DCA] by vacuum ultraviolet light" University of Tartu.
	10:10-10:30	<b>Martin Lind</b> , Valter Kiisk, Margus Kodu, Tauno Kahro, Raivo Jaaniso, "Semi-quantitative classification of two oxidizing gases with graphene-based multipixel gas sensors" University of Tartu
	10:30-11:00	<b>Coffee+ POSTER SESSION</b>
	11:00-11:20	<b>Joosep Kivastik</b> , Hendrik Ehrpais, Silvar Muru, Hans Hubert Sams, Madis Kaspar Nigol, Mathias Plans, Meelis Pihlap, Reimo Soosaar, Andris Slavinskis, Mihkel Pajusalu, "Design and analysis of Theia: a miniaturised scientific-grade multispectral imager", Tartu Observatory, University of Tartu.
	11:20-11:40	<b>Freddy Kukk</b> , S. Pylypko, E. Lust, G. Nurk, "Influence of hydrogen electrode active layer thickness on the electrochemical performance of reversible solid oxide cells in water electrolysis regime", University of Tartu.
	11:40-12:00	<b>Tanzeeha Jafari</b> , A. Shugai, U. Nagel, T. Rõõm, G. R. Bacanu, G. Hoffman, M. H. Levitt, R. J. Whitby, "Quantized translational motion of $^3\text{He}$ and $^4\text{He}$ atoms in $\text{Hex C}_{60}$ endofullerene", National Institute of Chemical Physics and Biophysics.
12:00-12:20	<b>Eleana Lopušanskaja</b> , "Ortho-selective electrophilic substitution/addition to phenolates", Tallin University of Tecnology.	
	12:20-12:40	<b>Kristiina Kaldas</b> , Jaan Mihkel Uustalu, Allan Niidu, Kati Muldma, Gert Preegel, Margus Lopp, "Structural consideration of kukersite from air oxidation", Tallinn University of Technology.
	12.40 13.40	<b>LUNCH</b>
<b>Marco Kirm Enn Lust</b>	13:40-14:00	<b>Kamini A. Mishra</b> , Riina Aav, "Chiral hemicucurbit[n]urils, their synthesis, post functionalization and application", Tallinn University of Technology.
	14:00-14:20	<b>Riho Rästa</b> , Ivo Heinmaa, Kenta Kimura, Tsuyoshi Kimura, Raivo Stern, " $^{31}\text{P}$ $^{65,63}\text{Cu}$ NMR and magnetic susceptibility study of isostructural compounds $\text{A}(\text{BO})\text{Cu}_4(\text{PO}_4)_4$ ( $\text{AB}=\text{PTi}, \text{SrTi}, \text{KNb}$ )", National Institute of Chemical Physics and Biophysics.
	14:20-14:40	<b>Gatis Prieditis</b> , Evgeni Shablonin, Aleksandr Lushchik, Viktor Seeman, Eduard Feldbach, "Impurity influence on the creation and thermal annealing of radiation defects in binary and complex oxides", University of Tartu.
	14:40-15:00	<b>Juhan Saaring</b> , S. Omelkov, E. Feldbach, V. Nagirnyi, I. Romet, A. Vanetsev, M. Kirm, "Anion and cation excitation in hexafluorogermanates" University of Tartu.
	15:00-15:20	<b>Helina Seemen</b> , Kaupo Kukli, Aile Tamm, "Magnetic properties of atomic layer deposited multilayer thin solid films", University of Tartu.
	15:20-15:40	<b>Elena Vinogradova</b> , L. Dolgov, V. A. Konyushkin, E. O. Orlovskya, E. A. Vagapova, A. Treshchalov, V. Peet, V. Hizhnyakov, Yu. V. Orlovskii, "Fluorescence of $\text{Nd}^{+3}$ optical centers closed to cubic symmetry in a calcium fluoride crystal co-doped with $\text{Na}^+$ ", University of Tartu.
	15:40-16:00	<b>Evgenii Strugovshchikov</b> , A. Pishtshev, and S. Karazhnov, "Theoretical and computational modeling of multi-anion chemical systems: an evolutionary approach", University of Tartu.
	16:00-16:30	<b>Closing of the conference, COFFEE Discussions</b>