

Tuesday Oct. 11 Room: Napa A		
7:50-8:00AM	Opening Ceremony	
Session: DFT I Chair: Jianmin Tao		
8:00-8:25AM	A01: A Fresh Look at the Band Gap Problem in Density Functional Theory	John P. Perdew Temple University, USA
8:25-8:50AM	A02: Free-energy DFT with Cost-effective Computational Scaling	Sam Trickey University of Florida, USA
8:50-9:15AM	A03: Ground-State Energy as a Simple Sum of Density Functional Orbital Energies	Mel Levy Tulane University, USA
9:15-9:40AM	A04: Power series approximation of the correlation kernel leading to Kohn-Sham methods combining accuracy, computational efficiency, and general applicability	Andreas Görling University of Erlangen-Nuremberg, Germany
9:40-10:05AM	A05: Approximating the exchange-correlation hole in the strong-interaction limit	Matthias Ernzerhof University of Montreal, Canada
10:05-10:20AM	Session Break	
Session: General I Chair: Andy Teale		
10:20 -10:45AM	A06: Relevance of Interface Region in Supported Nanocluster Catalysts	Masahiro Ehara Institute for Molecular Science, Japan
10:45-11:10AM	A07: Global and local curvature in density functional theory	Heather Kulik Department of Chemical Engineering, MIT, USA
11:10-11:35AM	A08: Proximity Effects on Topological Surface States of Bi ₂ Se ₃ from First Principles	Kyungwha Park Virginia Tech, USA
11:35-12:00PM	A09: Molecular Conductivity and Conceptual Density Functional Theory	Paul Geerlings Vrije Universiteit Brussel, Belgium
12:00-12:25 PM	A10: Practical implementation of ensemble density functional theory: Basic aspect and applications	Michael Filatov UNIST, Korea
12:30-13:30 PM	Lunch Break	

Tuesday Oct. 11

Room: Napa A

Session: General II Chair: Masahiro Ehara

13:30-13:55PM	A11: Current-density-functional theory, progress and challenges	Andy Teale University of Nottingham, UK
13:55 -14:20PM	A12: Coming to terms with computing the entropy of liquids from first principles	Edmund R. Meyer Los Alamos National Laboratory, USA
14:20 -14:45PM	A13: Density functional theory of electrons and nuclei without the Born-Oppenheimer approximation	Ryan Requist Max Planck Institute of Microstructure Physics, Germany
14:45 -15:10PM	A14: Design of New Disulfide-Based Organic Compounds for the Improvement of Self-Healing Materials[1]	Jon M. Matxain UPV/EHU & DIPC, Spain
15:10 -15:35PM	A15: Theoretical Challenges: From the 3d Transition Metals to the Heavy Elements	Angela Wilson Michigan State University, USA
15:35 -15:50PM	Session Break	
Session: DFT II Chair: Andreas Görling		
15:50 -16:15PM	A16: TBD	Kieron Burke University of California-Irvine, USA
16:15-16:40PM	A17: Recent progress on local hybrid functionals	Martin Kaupp Technische Universität Berlin, Germany
16:40-17:05PM	A18: Degeneracy, Convexity, and the Failures and Density Functional Theory	Paul Ayers McMaster University, Canada
17:05-17:30PM	A19: Spectacular success of DFT in predicting exotic topological phases of quantum matter	Arun Bansil Northeastern University, USA
17:30-17:55PM	A20: Reduction of Electronic Wave Functions to Exchange-Correlation Potentials	Viktor Staroverov University of Western Ontario, Canada

Tuesday Oct. 11
Room: Huntington

Session: Novel electron correlation methods for complex systems I Chair: Daniel Kats

13:30-13:55PM	H01: Quantum chemical treatment of crystalline fragments embedded in the periodic mean field	Denis Usvyat University of Regensburg, Germany
13:55 -14:20PM	H02: Distributed Gaussian Orbitals for Molecular Calculations	Stefano Evangelisti Paul Sabatier University, France
14:20 -14:45PM	H03: Amplitude Determinant Coupled Cluster Theory	Eric Neuscamman University of California Berkeley, USA
14:45 -15:10PM	H04: New Approaches for Strongly Correlated Electrons	Mark Hoffmann University of North Dakota, USA
15:10 -15:35PM	H05: Electron correlation effects in molecular crystals	Carsten Müller Free University of Berlin, Germany
15:35 -15:50PM	Session Break	
Session: Oxide Electronics Chair: Ismaila Dabo		
15:50 -16:15PM	H06: Theoretical spectroscopy of materials for oxide optoelectronics	André Schleife University of Illinois, Urbana-Champaign, USA
16:15-16:40PM	H07: Identification of vacancy defect complexes in transparent semiconducting oxides ZnO, In ₂ O ₃ and SnO ₂	Ilja Makkonen Aalto University, Finland
16:40-17:05PM	H08: Defect physics in oxides for electronics	Anderson Janotti University of Delaware, USA
17:05-17:30PM	H09: Resistivity switching in chalcogenide based interfacial phase change materials	Nicki Frank Hinsche Technical University of Denmark, Denmark
17:30-17:55PM	H10: Transition metal oxides in resistive switching	Olle Heinonen Argonne National Laboratory, USA

Wednesday Oct. 12

Room: Napa A

Session: DFT III Chair: Kieron Burke

8:25-8:50AM	A21: Löwdin Orthonormalized Fermi Orbitals for Self-Interaction-Corrected Density-Functional Approximations with Unitary Invariance	Mark Pederson Johns Hopkins University, USA
8:50-9:15AM	A22: Coulomb Descriptors - Euler Equation for Spherically Symmetric Systems	Ágnes Nagy University of Debrecen, Hungary
9:15-9:40AM	A23: Intrinsic Self-consistent Nature of the Schrödinger Equation for Electrons in Electromagnetic Fields	Viraht Sahni CUNY Brooklyn College, USA
9:40-10:05AM	A24: Semilocal density functional theory with correct surface asymptotics	Lucian Constantin Italian Institute of Technology, Italy
10:05-10:20AM	Session Break	
Session: DFT IV Chair: Mark Pederson		
10:20 -10:45AM	A25: Understanding the laser-induced spin dynamics in magnetic solids with non-collinear real-time TDDFT simulations	Eberhard K. U. Gross Max Plank Institutes, Germany
10:45-11:10AM	A26: Currents through molecules from real time DFT: boundary conditions and exchange-correlation challenges	Stephan Kuemmel Universität Bayreuth, Germany
11:10-11:35AM	A27: Excitons in solids: TDDFT versus many-body perturbation theory	Carsten Ullrich University of Missouri-Columbia, USA
11:35-12:00PM	A28: Steady-State Density Functional Theory for Finite Bias Conductances	Stefan Kurth Universidad del Pais Vasco UPV/EHU, Spain
12:00-12:25PM	A29: Studying Aqueous Chemical Reactions from First Principles	Evert Jan Meijer Universiteit van Amsterdam, Netherlands
12:30-13:30PM	Lunch Break	

Wednesday Oct. 12

Room: Napa A

Session: DFT V Chair: Stephan Kuemmel

13:30-13:55PM	A30: Time-dependent thermoelectric transport at the nanoscale	Giovanni Vignale University of Missouri-Columbia, USA
13:55 -14:20PM	A31: Development and Application of "Low-Cost" Dispersion Corrected Density Functional Methods	Stefan Grimme University of Bonn, Germany
14:20 -14:45PM	A32: TBD	Adrienn Ruzsinszky Temple University, USA
14:45 -15:10PM	A33: Making Density Functional Theory Work for All Materials	Ann E. Mattsson Sandia National Laboratory, USA
15:10-15:50PM	Poster & Session Break	
Session: DFT VI Chair: Carsten Ullrich		
15:50 -16:15PM	A34: Accurate Semilocal Density Functional and van der Waals Interaction	Jianmin Tao Temple University, USA
16:15-16:40PM	A35: TDDFT for Photochemistry	John M. Herbert The Ohio State University, USA
16:40-17:05PM	A36: First Principles Stochastic Approaches to Nanotechnology	Roi Baer The Hebrew University of Jerusalem, Israel
17:30-17:55PM	A37: Producing accurate equations of state based on density functional theory evaluated using the Dirac equation.	John M. Wills Los Alamos National Laboratory, USA

Wednesday Oct. 12

Room: Napa B

Session: Quantum Structure Chair: Anouar Benali

8:25-8:50AM	B01: Hemispheroidal microscopic model for investigation of nanoclusters deposited on a surface	Dorin N Poenaru Horia Hulubei National Institute for Physics and Nuclear Engineering, Romania
8:50-9:15AM	B02: Magnetic States of an Isotropic Magnet with the “Large” Ion Spin $S = 3/2, 1$	Elena Orlenko Peter the Great St.Petersburg Polytechnic University, Russia
9:15-9:40AM	B03: Recent Developments in DDEC Atomic Population Analysis	Thomas A. Manz New Mexico State University, USA
9:40-10:05AM	B04: Physical model for indium-rich InGaN/GaN quantum dot laser diodes	Guan-Lin Su University of Illinois at Urbana-Champaign, USA
10:05-10:20AM	Session Break	
10:20 -10:45AM	B05: Pt(3D,1S) – O ₂ Interaction by ab initio Calculations	Juan Horacio Pacheco-Sánchez Instituto Tecnológico de Toluca, México
10:45-11:10AM	B06: First monohydrates of HCl•HNO ₃ •H ₂ SO ₄ aggregates: geometries, spectra and atmospheric behavior	Marian Verdes Universidad Autónoma de Madrid, Spain
Session: Quantum Monte Carlo I Chair: Elena Orlenko		
11:10-11:35AM	B07: Monte Carlo Configuration Interaction: Multireference measures, positronic molecules and open-shell systems.	Jeremy Coe Heriot-Watt University, UK
11:35-12:00PM	B08: From multi-reference Trial Wavefunction to Fragmented Molecular Orbitals for Quantum Monte Carlo: Accuracy versus system-size	Anouar Benali Argonne National Laboratory, USA
12:00-12:25PM	B09: Systematic study of transition metal oxides with diffusion Monte Carlo	Jaron T. Krogel Oak Ridge National Laboratory, USA
12:30-13:30PM	Lunch Break	

Wednesday Oct. 12

Room: Napa B

Session: Molecular Dynamics and its applications Chair: Ioan Baldea

13:30-13:55PM	B10: Structural order in nanofluidic materials	Itsuo Hanasaki Tokyo University of Agriculture and Technology, Japan
13:55 -14:20PM	B11: Simulation of the interaction of hydrogen with metal nanoparticles supported on graphene substrates	Julio A. Alonso University of Valladolid, Spain
14:20 -14:45PM	B12: Quantum dynamics study on electron attachment to molecules and clusters	Toshiyuki Takayanagi Saitama University, Japan
14:45 -15:10PM	B13: Solvation Motor: A New and Simple Model of Motor Proteins	Ken Tokunaga Division of Liberal Arts, Kogakuin University, Japan
15:10-15:50PM	Poster & Session Break	
15:50 -16:15PM	B14: Graphene trumpets, foams, pillared networks, carbon materials growth, and all that from first-principles	Simone Taioli ECT*, Italy & Charles University in Prague, Czech Republic
16:15-16:40PM	B15: Electron Nuclear Dynamics Simulations of Water Radiolysis and DNA Damage in Proton Cancer Therapy	Jorge A. Morales Texas Tech University, USA
16:40-17:05PM	B16: First-Principles Prediction of the Electrochemical Stability of Bimetallic Catalysts for Use as Fuel Cell Electrodes	Ismaila Dabo The Pennsylvania State University, USA
Session: Molecular Electronics Chair: Julio A. Alonso		
17:05-17:30PM	B17: Exciton Dynamics in DNTT Thin Films	Takatoshi Fujita Institute for Molecular Science, Japan
17:30-17:55PM	B18: Universality Out of Equilibrium. A Law of Corresponding States for Charge Transport Via Tunneling in Molecular Junctions	Ioan Baldea Universitaet Heidelberg, Germany

Wednesday Oct. 12

Room: Napa C

Session: Novel electron correlation methods for complex systems II Chair: Denis Usvyat

8:00-8:25AM	C01: Stochastic-CASSCF and Multi-Configuration Pair-Density Functional Theory: A New Era for Strongly Correlated Molecular Systems	Giovanni Li Manni Max Planck Institute for Solid State Research, Stuttgart, Germany
8:25-8:50AM	C02: The Tortoise and the Hare: Canonical and Local MP2 Implementations for Periodic Systems	Lorenzo Maschio University of Turin, Italy
8:50-9:15AM	C03: Accurate coupled cluster calculations for the high multiplicity states	Monika Musiał University of Silesia, Poland
9:15-9:40AM	C04: Recent Progress in the Electron-Attached, Ionized, and Active-Space Equation-of-Motion Coupled-Cluster Methodologies	Piotr Piecuch Michigan State University, USA
9:40-10:05AM	C05: Newest developments of the method of increments for strongly correlated systems	Edoardo Fertitta Free University of Berlin, Germany
10:05-10:20AM	Session Break	
Session: General III Chair: Thorsten Klüner		
10:20 -10:45AM	C06: In search of unconventional ultrathin metastable O/Cu surface oxides	Aloysius Soon Yonsei University, Korea
10:45-11:10AM	C07: Transport properties of correlated metals: A dynamical mean field theory perspective	Xiaoyu Deng Rutgers University, USA
11:10-11:35AM	C08: Assigning the cerium oxidation state in complexes by multireference wavefunction analysis	Oliver Moossen Universität zu Köln, Germany
11:35-12:00PM	C09: On the origin of cooperativity in hydrogen bonding	Joe Ireta Universidad Autónoma Metropolitana-Iztapalapa, Mexico
12:00-12:25PM	C10: The Praxis of Theory & Experiment in the Study of Non-Covalent Interactions in Organometallics	Jean-Pierre Djukic University of Strasbourg, France
12:30-13:30PM	Lunch Break	

Wednesday Oct. 12

Room: Napa C

Session: General IV Chair: Dorothee Berthomieu

13:30-13:55PM	C11: Hybrid quantum-classical dynamics simulation of interface bonding between epoxy resin and oxidized aluminum	Shuji Ogata Nagoya Institute of Technology, Japan
13:55 -14:20PM	C12: A first principles approach to the photoreactivity of oxide surfaces	Thorsten Klüner University of Oldenburg, Germany
14:20 -14:45PM	C13: Accurate Description of the Electronic Structure of Organic Semiconductors by GW Methods	Noa Marom Carnegie Mellon University, USA
14:45 -15:10PM	C14: DFT approaches for graphene based materials for energy applications	Marika Savarese Istituto Italiano di Tecnologia (IIT), Italy
15:10-15:50PM	Poster & Session Break	

Session: General V Chair: Oliver Moossen

15:50 -16:15PM	C15: Structures and spectroscopic properties of coordination polymers using DFT	Dorothee Berthomieu Institut Charles Gerhardt Montpellier, France
16:15-16:40PM	C16: Inter- and intramolecular interactions from Kohn-Sham random-phase approximation correlation methods including exchange contributions	Andreas Hesselmann Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany
16:40-17:05PM	C17: Electron-phonon interactions and electrical and thermal transport in graphene	Cheol-Hwan Park Seoul National University, Korea
17:05-17:30PM	C18: Orbital-free DFT approaches to equation of state and transport properties for warm dense matter	Travis Sjostrom Los Alamos National Laboratory, USA
17:30-17:55PM	C19: Design and density functional theory explorations on the luminescent mechanism of AuCu nanoclusters	Haizhu Yu Anhui University, China

Thursday Oct. 13

Room: Napa A

Session: Recent advances in theoretical spectroscopy I Chair: Xinguo Ren

8:25-8:50AM	A38: Modeling Absorption and Emission Spectra of Large Organic Dyes with Double-Hybrid Density-Functionals	Eric Brémond Istituto Italiano di Tecnologia (IIT), Italy
8:50-9:15AM	A39: A Combined Experimental and Theoretical Studies on Circular Dichroisms of Propeller Chirality of Hexaarylbenzenes and Related Molecules	Tadashi Mori Osaka Univeristy, Japan
9:15-9:40AM	A40: Local representation of the response function: Theory and applications	Deyu Lu Brookhaven National Laboratory, USA
9:40-10:05AM	A41: To GW and beyond -- from weak to strong correlation	Patrick Rinke Aalto University, Finland
10:05-10:20AM	Session Break	
Session: Novel electron correlation methods for complex system III Chair: Daniel Kats		
10:20 -10:45AM	A42: Electron correlation by polarization of interacting densities	Jerry L. Whitten North Carolina State University, USA
10:45-11:10AM	A43: Projection-based wavefunction-in-DFT embedding	Fred Manby University of Bristol, UK
11:10-11:35AM	A44: Large-scale v2RDM-driven CASSCF methods	A. Eugene DePrince III Florida State University, USA
11:35-12:00PM	A45: Static and dynamical electron correlation calculations of large systems based on the divide-and-conquer method	Masato Kobayashi Hokkaido University, Japan
12:00-12:25PM	A46: TBD	Edward Valeev Virginia Tech, USA
12:30-13:30PM	Lunch Break	

Thursday Oct. 13

Room: Napa A

Session: DFT VII Chair: Ann E. Mattsson

13:30-13:55PM	A47: Ab initio thermodynamic approach to identify and design materials for CO2 Capture Technologies	Yuhua Duan US DOE-National Energy Technology Laboratory, USA
13:55 -14:20PM	A48: Second-Order Perturbation Theory for Fractional Occupation Systems: Applications to IP and EA Calculations	Xin Xu Fudan Univeristy, China
14:20 -14:45PM	A49: TBD	Roberto Car Princeton University, USA
14:45 -15:10PM	A50: Electrochemistry at electrode/electrolyte interfaces from first principles	Axel Gross Ulm University, Germany
15:10 -15:35PM	A51: Accurate Excitation Energy, Reaction Barrier Height, and Enthalpy of Reaction from Semilocal Density Functionals	Guocai Tian Kunming University of Science and Technology, China
15:35-15:50PM	Session Break	
Session: Recent advances in theoretical spectroscopy II Chair: Patrick Rinke		
15:50 -16:15PM	A52: Adaptively compressed exchange operator	Lin Lin University of California, Berkeley, USA
16:15-16:40PM	A53: Accurate X-Ray Absorption Predictions for Transition Metal Oxides: An Advanced Self-Consistent Approach Inspired by Many-Body Perturbation Theory	David Prendergast Theory of Nanostructured Materials Facility, Molecular Foundry, USA
16:40-17:05PM	A54: Spectroscopic properties of materials from many-body perturbation theory	Sahar Sharifzadeh Boston University, USA
17:05-17:30PM	A55: First-principles calculations and model analysis of plasmon excitations in graphene	Xinguo Ren University of Science and Technology of China, China

Thursday Oct. 13

Room: Napa B

Session: Moller–Plesset perturbation theory and Coupled-Cluster Theory Chair: Tzonka Mineva

8:00-8:25AM	B19: Correlated wave functions from spin-extended Hartree-Fock	Takashi Tsuchimochi Kobe University, Japan
8:25-8:50AM	B20: Novel Coupled-Cluster approaches for heavy element chemistry	Katharina Boguslawski Nicolaus Copernicus University, Poland
8:50-9:15AM	B21: Ab Initio and Semi-Empirical Quantum Chemistry Studies of Partial-Oxidation Processes in Spin Traps	Scott Kirkby East Tennessee State University, USA
9:15-9:40AM	B22: TBD	Thomas Bondo Pedersen University of Oslo, Norway
9:40-10:05AM	B23: Many-Body Density Matrix Theory	Christopher J. Tymczak Texas Southern University, USA
10:05-10:20AM	Session Break	
Session: NMR Calculation Chair: Scott Kirkby		
10:20 -10:45AM	B24: Computation of NMR quantities by means of Stochastic Liouville Equation	Danuta Kruk University of Warmia and Mazury in Olsztyn, Poland
10:45-11:10AM	B25: Dynamic NMR parameters to study organic-inorganic interfaces in templated materials	Tzonka Mineva Institut Charles Gerhardt, Montpellier, France
11:10-11:35AM	B26: Using ab initio fragmentation methods for the prediction of NMR spectra	Rika Kobayashi ANU Supercomputer Facility, Australia
11:35-13:55PM	Lunch Break	

Thursday Oct. 13

Room: Napa B

Session: Quantum Monte Carlo II Chair: Thomas Bondo Pedersen

13:55-14:20PM	B27: Quantum Monte Carlo simulations of molecular interactions using high performance computing	Kenta Hongo Japan Advanced Institute of Science and Technology, Japan
14:20-14:45PM	B28: Non-Orthogonal Slater Determinant Expansions in Quantum Monte Carlo	Miguel Morales-Silva Lawrence Livermore National Laboratory, USA
14:45-15:10PM	B29: Hybridization of Quantum Monte Carlo and Effective Fragment Molecular Orbital methods, and the nodal variational principle	Federico Zahariev Iowa State University, USA
15:10-15:35PM	B30: Selected CI wavefunctions for Diffusion Monte Carlo	Michel Caffarel CNRS-Lab. de Chimie et Physique Quantiques, France
15:35-15:50PM	Session Break	
Session: Novel electron correlation methods for complex systems IV Chair: Denis Usvyat		
15:50 -16:15PM	B31: ADDITION BY SUBTRACTION IN COUPLED-CLUSTER THEORY	Rodney Bartlett University of Florida, USA
16:15-16:40PM	B32: TBD	Garnet Chan Princeton University, USA
16:40-17:05PM	B33: On the perturbative computation of ionization energies	Peter Knowles Cardiff University, UK
17:05-17:30PM	B34: Electron Correlation: Citius, Altius, Fortius	Daniel Kats Universität Stuttgart, Germany

Thursday Oct. 13

Room: Napa C

Session: General VI Chair: Noa Marom

8:00-8:25AM	C20: Towards reliable modeling of electronic structures and spectroscopic parameters of uranium oxides	Pawel Tecmer Nicolaus Copernicus University, Poland
8:25-8:50AM	C21: Non-empirically tuned long-range corrected hybrid functionals for organic electronic materials	Thomas Körzdörfer University of Potsdam, Germany
8:50-9:15AM	C22: First-Principles Study of The Electronic Structure in Molecular Conductors with Hybrid Functional	Takao Tsumuraya National Institute for Materials Science, Japan
9:15-9:40AM	C23: DFT simulations on million-atom systems using a linear-scaling DFT code CONQUEST	Tsuyoshi Miyazaki Institute for Materials Science, Japan
9:40-10:05AM	C24: Density-functional theory and experiment: a match made in heaven or in hell?	Kurt Lejaeghere Ghent University, Belgium
10:05-10:20AM	Session Break	
Session: General VII Chair: Thomas Körzdörfer		
10:20 -10:45AM	C25: Computational screening of hydrogen storage materials with density functional theory	Adem Tekin Istanbul Technical University, Turkey
10:45-11:10AM	C26: Dark Photo-Switching of a Dihydroazulene Derivative in the Coulomb Blockade Regime	Stine T. Olsen University of Copenhagen, Denmark
11:10-11:35AM	C27: Electron-phonon coupling beyond semilocal DFT	Bartomeu Monserrat Rutgers University and University of Cambridge, UK
11:35-11:50AM	C28: Understanding the advantage of hexagonal WO ₃ as an efficient photoanode for solar water splitting: A first-principles perspective	Yonghyuk Lee Yonsei University, Korea
11:50-13:30PM	Lunch Break	

Thursday Oct. 13

Room: Napa C

Session: General VIII Chair: Kurt V. Mikkelsen

13:30-13:55PM	C29: Electron Density Analysis of Heavy Elements	Julien Pilmé Pierre-and-Marie-Curie University, France
13:55-14:20PM	C30: Electron-state Tuning of MoS ₂ Thin Film by Electrostatic and Chemical Doping	Nguyen Thanh Cuong NIMS, Japan
14:20-14:45PM	C31: Photo-excited Dynamics at Nanoscale Interfaces	Run Long Beijing Normal University, China
14:45-15:10PM	C32: Using Computational Materials Chemistry to Tackle Industrial Problems: Successes and Challenges	Glenn Jones Johnson Matthey Technology Centre, South Africa
15:10-15:35PM	C33: Nonadiabatic dynamics of condensed phase proton-coupled electron transfer reactions	Gabriel Hanna University of Alberta, Canada
15: 35-15:50PM	Session Break	

Session: General IX Chair: Gabriel Hanna

15:50 -16:15PM	C34: A MODEL FOR SOLAR HEATING	Kurt V. Mikkelsen University of Copenhagen, Denmark
16:15-16:40PM	C35: Transition States of Spin-State Crossing Reactions	Jun-ya Hasegawa Hokkaido University, Japan
16:40-17:05PM	C36: Accurate potentials and dynamics: current status	António Varandas Universidade de Coimbra, Portugal
17:05-17:30PM	C37: Photochromic Diarylethenes as Photoactivatable Drugs	José Pedro Cerón-Carrasco UCAM Campus de los Jerónimos, Spain
17:30-17:55PM	C38: Exchange-like Kernel Corrections within RPA Renormalization	Jefferson Bates Temple University, USA
17:55-18:10PM	C39: Acute mechano-electronic responses in twisted phosphorene nanoribbons	Woosun Jang Yonsei University, Korea

Wednesday Oct. 12
Poster session (15:10-15:50PM)

P01	Calibration of Exchange Energy Density in Local Hybrid Functionals: Recent Developments	Alexey Arbuznikov Department of Chemistry, TU Berlin, Germany
P02	Luminescent bi-nuclear Cu(I) complexes as potential TADF emitters: A theoretical study	David Ambrosek CYNORA GmbH, Germany
P03	Computational search for sulphide perovskites for solar energy conversion application	Korina Kuhar Technical University of Denmark, Denmark
P04	Amplitude Determinant Coupled Cluster Theory	Luning Zhao University of California, Berkeley, USA
P05	Studying some fundamental concepts of DFT with an accurate wavefunction for two-electron systems	Rabeet Singh Chauhan Indian Institute of Technology Kanpur, India
P06	One-atom thick h-CrN: Electronic Properties and Synthesis Recommendations	Artem Kuklin Kyungpook National University, Korea
P07	Developing an Atomic Population Analysis Suitable for Use as a Default Method in Quantum Chemistry Programs	Nidia Gabaldon Limas New Mexico State University, USA
P08	DFT applied to Transition Metal Elements and Binaries: Development of The V-DM/16 Test Set	Elizabeth Decolvenaere University of California: Santa Barbara , USA
P09	First Principles Crystal Structure Prediction for Dual Cation Ammine Metal Borohydrides	Samet Demir Istanbul Technical University, Turkey
P10	DFT Calculations of Thermodynamic Properties of II-VI and IV-VI Crystals	Bohdanna Volochanska Vasyl Stefanyk Precarpathian National University, Ukraine
P11	Number Counting Jastrow Factors in Real Space	Brett Van Der Goetz University of California, Berkeley, USA