



# Program Annual Convent 2017



	Monday, July 31	Tuesday, August 1	Wednesday, August 2	Thursday, August 3	Friday, August 4
9:00 a.m.	Frank Stienkemeier, Takamasa Momose: Opening remarks	Tobias Schätz: "Optically Trapping Ions while having a coffee?"	excursion	Stefan Buhmann: "Harnessing the quantum vacuum: from Casimir forces to interatomic Coulomb decay"	PI meeting
9:30 a.m.	Roman Krems: "Applications of machine learning to constructing potential energy surfaces for complex molecules: can machine learning help us to solve the inverse scattering problem?"	Sebastian Fuchs: "Casimir-Polder Potential and Casimir Force Involving Topological Insulators"		Simon Dold: "Optimizing a gas aggregation source for large cluster production"	Denis Uhlund: "Lithium-6 Triplet Ground State Spectroscopy and STIRAP"
10:00 a.m.					
10:30 a.m.	Coffee break	Coffee break		Coffee break	Coffee break
11:00 a.m.	Sharareh Izadnia: "Correlated decay mechanisms in weakly bound acene molecules attached to neon clusters"	Reyhaneh Ghassemizadeh: "Effects of fractional charges on vibrational shifts of IR and Raman-active modes using Density Functional Theory"		Jonas Grzesiak: "Reactive Scattering between Metastable Helium and Magneto-Optically Trapped Lithium"	Julian Schmidt: "Optical trapping of ion Coulomb crystals"
11:30 a.m.	Aghigh Jalhedoost: "High temperature pulsed valve for organic cluster generation"	Ulrich Bangert: "Two-dimensional Electronic Spectroscopy of Controlled Isolated Systems"		PAC meetings  intensive discussions	PAC meetings  intensive discussions
12:00 p.m.	Lunch break	Lunch break		Lunch break	Lunch break
1:30 p.m.		Postersession		lab tours	
2:00 p.m.	Matthias Bohlen: "From rare gas to hydrogen-bonded clusters: Size distributions of supersonic beams from a pulsed valve using the titration technique"			individual discussions	Tobias Brünner: "The role of particle (in-) distinguishability for many-particle dynamics in optical lattices"
2:30 p.m.	Oliver Stauffert: "Ab-initio electron-phonon coupling in polyacenes"	Joshua Cantin: "Surface-sensitive molecular interferometry: beyond 3He spin echo experiments"			John Sous: "SSH Bipolarons in Quantum Devices and Materials"
3:00 p.m.	Jordan Fordyce: "Molecular Superrotors in Helium Nanodroplets"	Marcel Binz: "Phase-modulated fs spectroscopy on alkali metal-doped helium nanodroplets"			Manish Vashishta: Microwave trapping of NH <sub>3</sub> molecules
3:30 p.m.	Coffee break	Coffee break		soccer match	Coffee break
4:00 p.m.	Markus Debatin: "Setup for experimental studies on Ba <sup>+</sup> - Li interactions"	Kariman Elshimi: "Photoelectron spectroscopy of size-selected clusters at free electron lasers"			Frank Stienkemeier, Takamasa Momose: Closing remarks
4:30 p.m.	Pascal Weckesser: "Trapping and Controlling Barium Ions for Ultracold Atom-Ion Experiments"	Andreas Wituschek: "Towards coherent time resolved all-XUV spectroscopy"			
5:00 p.m.	Postersession	PAC meetings  intensive discussions			
6:30 p.m.	Dinner at Gallery, UBC Campus	PI Dinner at Sage bistro, UBC Campus			