

Poster Session I

- PS1 - 1. **Angela Buchholz:** The effect of relative humidity and chemical composition on the evaporation of SOA particles
- PS1 - 2. **Roope Halonen:** Molecular dynamics and isothermal homogeneous nucleation
- PS1 - 3. **Jonathan Barrett:** Tolman length and rigidity constants for the hard-core Yukawa fluid
- PS1 - 4. **Michael Anisimov:** Impact of phase transitions in condensed phases on the geometry of vapor nucleation rate surfaces
- PS1 - 5. **Evgeni Zapadinsky:** Non-equilibrium cluster properties and non-isothermal nucleation
- PS1 - 6. **Victor Kurasov:** Metastable phase decay at the decreasing rate of growth
- PS1 - 7. **Miska Olin:** Finding $\text{H}_2\text{SO}_4\text{-H}_2\text{O}$ nucleation rates in high H_2SO_4 concentrations
- PS1 - 8. **Nonne Prisle:** Probing structure and chemical properties of freestanding clusters with synchrotron radiation Part I: the muscle cluster source
- PS1 - 9. **Daniel Schlesinger:** Water accommodation on ice
- PS1 - 10. **Kaupo Komsaare:** Formation events of intermediate air ions at Tahkuse observatory in 1995-2016
- PS1 - 11. **Sho Ayuba:** Kinetic analysis of homogeneous droplet nucleation using large scale molecular dynamics simulation
- PS1 - 12. **Ricky Teiwes:** A new setup for the study of ion-molecule and ion-photon reactions relevant for aerosol science
- PS1 - 13. **Martta Toivola:** Computational prediction of salting in and salting out effects
- PS1 - 14. **Craig Stroud:** The effect of particle acidity on α -pinene SOA formation
- PS1 - 15. **Dimitri Castarède:** A thermodynamic description for the continuous deliquescence of atmospheric aerosol particles
- PS1 - 16. **Julian Thompson:** Work of formation of Caesium Hydroxide clusters determined by guided mitosis
- PS1 - 17. **Egon Tschurtschenthaler:** Controlling nucleation rates with patterns of impurities
- PS1 - 18. **Janne Lampilahti:** Boundary layer new-particle formation and roll vortices
- PS1 - 19. **Liqing Hao:** Combined effects of boundary layer dynamics and atmospheric chemistry on aerosol composition during new particle formation periods
- PS1 - 20. **Lubna Dada:** Method for identifying NPF types using characteristic nucleation-mode particles and ions
- PS1 - 21. **Clémence Rose:** Integrated evaluation of biogenic secondary organic aerosol formation in a global climate-model
- PS1 - 22. **Ricardo Morales:** Temperature dependence of particle number concentration produced by a two stroke engine
- PS1 - 23. **Heikki Lihavainen:** New particle formation at rural background site in Western Saudi Arabia
- PS1 - 24. **Nanna Myllys:** The effect of bisulfate, ammonia, and ammonium on the clustering of organic acids and sulfuric acid
- PS1 - 25. **Juha Sulo:** Observed differences between event and non-event days in levels of amine and ammonia containing comp
- PS1 - 26. **Erik Thomson:** Observations of a diurnal cycle of ice nucleating particle concentration on the shoulders of Mt. Kenya
- PS1 - 27. **Thomas Koop:** Ice nucleation and antifreeze properties of biological macromolecules
- PS1 - 28. **Jiun-Horng Tsai:** Airborne PM_{2.5} concentration improvement under various control scenarios – a case study in Taiwan
- PS1 - 29. **Zoltán Németh:** Multi-year long new particle formation in urban environments

- PS1 - 30. **Chunshui Lin:** Characterization of primary organic aerosol of domestic wood, peat, and coal burning
- PS1 - 31. **Ayako Yoshino:** Analysis of aerosol chemical composition measured at urban and rural sites in Japan
- PS1 - 32. **Dongsheng Ji:** Two years of near real-time measurements of carbonaceous aerosols in urban Beijing, China
- PS1 - 33. **Wang Dawei:** Observations of new particle formation in Hong-Kong
- PS1 - 34. **Yuesi Wang:** Mechanism for the formation of the January 2013 heavy haze pollution episode over central and eastern China
- PS1 - 35. **Lin Liu:** Study the regional PM₁₀ /PM_{2.5} characteristic
- PS1 - 36. **Yongqing Bai:** Environmental meteorology numerical model system
- PS1 - 37. **Tao Song:** Mixing layer height and its implications for air pollution over Beijing, China
- PS1 - 38. **Juergen Spielvogel:** A candidate measurement system for the standardized routine monitoring of particle number concentration
- PS1 - 39. **Kristina Höhler:** Phase change behavior of salt aerosol in a CFDC
- PS1 - 40. **Ayumi Iwata:** Characterization of individual ice nuclei by single droplet freezing method: a case study in the Asian dust outflow region
- PS1 - 41. **Kristina Höhler:** Ice nucleation activity of arable soil dust aerosol particles
- PS1 - 42. **Paul DeMott:** Novelty in ice nucleation terminology
- PS1 - 43. **Alisya Sadykova:** Laboratory studies of immersion mode heterogeneous ice nucleation
- PS1 - 44. **Ilona Ylivinkka:** Estimation of the CO₂-induced terrestrial climate feedback in subarctic region
- PS1 - 45. **Konstantinos Doulgeris:** In-situ cloud measurements during three Pallas cloud experiments
- PS1 - 46. **Anu-Maija Sundström:** Possibilities and challenges of using satellite data for estimating sulphuric acid concentrations
- PS1 - 47. **Shufeng Pang:** The effect of metal ions on chemical reaction between dicarboxylic acid and nitrate within aerosols*
- PS1 - 48. **Gregor Kotalczyk:** Monte Carlo simulations of the combined mechanisms of homogeneous and heterogeneous nucleation and coagulation based on weighted simulation particles*
- PS1 - 49. **Tinja Olenius:** New particle formation from sulfuric*

*Late posters: Abstracts are available on the ICNAA2017's web page.