**Program, CAP-meeting, Umeå, March 4, 2019**

***Monday, March 4, Place: N460, Naturvetarhuset, Umeå Universitet***

**Session 1**

09:30-10:15 Coffee and discussions (served outside of the seminar room, N460)

10:15-10:20 Welcome and short introduction to the program, Thomas Wågberg

10:20-10:50 “Mariestad builds a sustainable region by new technique and innovations”, Jonas Johansson, Head of Development, Mariestad municipality

10:50-11:10 “A Molecule to Cluster approach to design efficient catalysts for water splitting”, Thomas Wågberg, Professor, Umeå University

11:10-11:30 “Catalytic Activity of Disordered MoS2 towards Hydrogen Evolution Reaction”, Eduardo Gracia-Espino, Assistant Professor, Umeå University

11:30-12:00 “Svevia’s initiative to fuel cell cars driven by hydrogen”, Mats Granberg, Engineer at Svevia, and Mattias Persson, Engineer at Svevia

**12:00-13:00 lunch at restaurant Hjortron, Universum**

**13:10-13:40, Viewing and testing of Fuel cell car Hyundai IX35, Svevia, outside Universum building**

**Session 2**

13:50-14:20 “How to establish a hydrogen gas tank station in northern Sweden-challenges and perspectives”, Boh Westerlund, Founder of Oazer, a clean tech company in Umeå,

14:20-14:40 “Designing the best sustainable molecular water oxidation catalyst”, Manuel Boniolo, PhD student, Uppsala University,

14:40-15:00 “Minerals, polyoxometalates and protonation”, André Ohlin, Associate Professor, Umeå University,

15:00-15:20 “Butanol producing cyanobacteria, an update”, Peter Lindblad, Professor, Uppsala University,

15:20-15:30 “Final words and outreach collaboration from Deakin University”, Thomas Wågberg

**15:30 Coffe and cake** (CAP seniors bring coffee to separate meeting)

15.40-16.40 CAP senior meeting at Bottenhavet, Physics Department, separate program has been sent by Ann Magnuson,