

## March 17

**14:00-17:00 Registration** Arrhenius Laboratory, Stockholm University, Svante Arrhenius väg 16 C

**18:00-22:00 Reception** Faculty Club, Stockholm University

## March 18

Type of presentation	Name	Title
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**8:30-9:00 Registration** Magnélisalen, Svante Arrhenius väg 16 C

**Section 1 Chairman: Per Vult von Steyern**

**9:00-9:10** Opening Zhijian James Shen Innovation and cross-disciplinary collaboration

9:10-9:40 Invited Ralf Kohal Oral implants made from zirconia ceramics. How do they perform?

9:40-10:05 Keynote Per Tidehag A prospective evaluation of self-glazed zirconia for posterior fixed dental prostheses: three-year clinical results

10:05-10:25 Oral Lu Song Matching up the optical appearances of natural teeth and zirconia prostheses: interpretation and digitalization

**10:25-11:00 Coffee break**

**Section 2 Chairman: Peter Jevnikar**

11:00-11:30 Invited Mutlu Özcan Adhesion to dental ceramics: Technical and clinical parameters

11:30-11:55 Keynote Kwok-Hung(Albert) Chung Less is more: towards self-glazed zirconia

11:55-12:15 Oral Hongbo Zhou Preparation of mullite toughened zirconia ceramics and the microstructure and mechanical properties

**12:15-14:00 Lunch**

**Section 3 Chairman: Ralf Kohal**

14:00-14:30 Invited Fusong Yuan/Peijun Lyu Why do we develop intelligent robots for oral surgeries?

14:30-14:55 Keynote Peter Jevnikar Towards reliable implementation of zirconia dental restorations

14:55-15:20 Keynote Zhiyang Chen Novel collaborative cloud platform for all-digitalized dental treatments

15:20-15:40 Oral Jaroslav Kaštyl Parameters optimization for CAD-CAM machining of zirconia

**15:40-16:30 Coffee break**

**Section 4 Chairman: Mutlu Özcan**

16:40-17:10 Invited Takashi Goto Chemical vapor deposition of bio-ceramic coating

17:10-17:35 Keynote Jian Sun Dimension accuracy and clinical adaptation of ceramic crowns fabricated by stereolithography technique

17:35-17:55 Oral Hezhen Li Minimising defects in zirconia dental prostheses by stereolithography-based additive manufacturing: focusing on the post printing processes

**19:30-22:00 Workshop dinner** Grill, Drottninggatan 89, 113 60, Stockholm

## March 19

**Section 5      Chairman:      Takashi Goto**

8:30-8:55	Keynote	Noran De Basso	Ten reasons for pursuing zirconia implants
8:55-9:20	Keynote	Keren Shemtov-Yona	Evaluating the fatigue performance of zirconia dental implants
9:20-9:45	Keynote	Zhe Wu	Self-glazed zirconia for aesthetic restorations
9:45-10:05	Oral	Yaoyang Xiong	Optical and mechanical properties of novel zirconia

**10:05-10:35   Coffee break****Section 6      Chairman:      Håkan Engqvist**

10:35-11:05	Invited	Matts Andersson	From dentistry to orthopedics: a consistent struggle for better precision and materials
11:05-11:35	Invited	Per Vult von Steyern	A paradigm shift in dental ceramics
11:35-12:05	Invited	Zhijian James Shen	Dental ecosystem in digital era

**12:05-14:00   Lunch****Section 7      Chairman:      Kwok-Hung(Albert) Chung**

14:00-14:25	Keynote	Wei Xia	Bioactive Silicon Nitride Dental Implant
14:25-14:50	Keynote	Andraž Kocjan	Micro-to-nano roughening of 3Y-TZP surface for improved osseointegration and antibacterial response
14:50-15:10	Oral	Nina Grguras	Monolithic Zirconia Ceramic Dental Prostheses – Clinical Experience
15:10-15:30	Oral	Abram Emese	Spectrophotometric examination of multilayered zirconia

**15:30-16:10   Coffee break****Section 8      Round table discussion**

16:10-17:10      Chairmen: Matts Andersson, Andraž Kocjan, Zhijian James Shen

**Time slot: 20+10 for Invited, 20+5 for keynote, 15+5 for oral**

**Posters**

Dawei Guo	Morphological changes of pharyngeal airway after incisor retraction in bimaxillary protrusion growing patients with maximum anchorage
Dawei Guo	Expression and Function of Hypoxia Inducible Factor-1 $\alpha$ and Vascular Endothelial Growth Factor in Rat Periodontal ligament under Orthodontic Stretch
Liu Rongrong	Fabrication of the implant-supported cross-arch fixed bridge with titanium framework and all-ceramic crowns
Mirva Eriksson	In-vivo aged phosphate cements tells the stories
Fusong Yuan	Method to accuracy control when three-dimensionally ablating dental sintered zirconia with numerically controlled femtosecond laser
Bingqing Li	A porous microsphere based on PLGA for dentin-pulp regeneration
Shihua Xue	Antagonist Enamel Wear of Self-glazed Zirconia Crowns In Vivo
Yuan Zhong	Ceramics solutions towards digital dentistry
Yihong Liu	Preliminary evaluates of biosilica porous
Tine Malgaj	The effect of firing protocols on the resin-bond strength to alumina-coated zirconia ceramics