



第一屆香港國際醫療三維打印臨床應用座談會
The First Hong Kong International
Interdisciplinary Clinical 3D Printing Forum 2018

28 July, 2018 Saturday

Charles Kao Auditorium, Hong Kong Science Park

Time Programme ** Subject to Update ** Moderators / Speakers

8:30 **Registration**

9:00 **Opening Ceremony**

Ms Ami SIN | Chair lady, Hong Kong 3D Printing Association

Guests of Honour:

Dr Bernard PL CHAN | Secretary for Commerce and Economic Development, HKSAR

Mr Patrick SIU | Chief Operating Office of Hong Kong Science and Technology Parks Corporation

Session I: A General Overview

Dr Thomas TSE

Dr Sherby PANG

9:15 Application of 3D Printing in Orthopaedics - 5 Years Experience Sharing

Prof Jack CHENG

9:25 3D Tissue Printing and Regeneration Medicine

Prof William LU

9:35 Paving the Way Ahead after 20 Years Medical 3D Printing Applications

Ir Dr Martin WONG

9:45 Medical Metal 3D printing – Current Status in China

Dr Hong CAI

10:05 Radiologists' Role in Medical 3D Printing

Dr Kwok Chung LAI

10:15 *Questions and Answers*

10:20 **Morning Break**

Session II: Current Applications Across Specialties

Dr Christian FANG

Dr Alec HUNG

10:40 3D Printing for Spine Surgery

Prof Kenneth CHEUNG

10:50 Impact of Cardiovascular 3D Printing on Interventional Procedural Outcome

Prof Alex LEE

11:00 3D Printing in Orbital Fracture Repair

Dr Kelvin CHONG

11:10 From 3D - Printed Models, Instruments to Implants – Personalized Treatment for Bone Cancers

Dr Kwok Chuen WONG

11:20 *Questions and Answers*

11:25 3D Printing for Plastic and Reconstructive Surgery

Dr Sherby PANG

11:35 3D Upper Limb Splint

Mr Shun Yiu WONG

11:45 3D Printing to Optimize Bodily Function “a Fast Track from Idea to Product”

Mr Leo CHAN

11:55 Applications of 3D printing in Prosthetic and Orthotic Service

Mr Kam Wai CHEN

12:05 *Questions and Answers*

12:10 **Panel Discussion I: Quality and Cost Effectiveness in Medical 3D Printing**

Moderator:

Dr Christian FANG

Panelists:

Dr Hong CAI

Prof William LU

Ir Dr Martin WONG

Prof Kenneth CHEUNG

Dr Kwok Chung LAI

Ir Bryan SO

Prof Jack CHENG

Prof Alex LEE

12:40 **Lunch**

Session III: Commercial Considerations of Medical 3D Printing Dr Kelvin YEUNG
Ir Dr Martin WONG

- 14:00 State of Art Software and Services in Streamlining Medical 3D Printing Mr Koen PERRE
- 14:10 An Engineer's Perspective of 3D Printing for Medical Applications Dr Ka Wai KWOK
- 14:20 Medical Metal 3D Printing - Challenges and Opportunities of Personalized Implants Mr Edmond YAU
- 14:30 Regulatory Requirement and Concerns on Medical 3D Printing Ir Bryan SO
- 14:40 Dentist Perspective as Pioneers of Medical 3D Printing – Bringing the Printer into Our Clinic Dr Richard SU
- 14:50 When Doctors Know How to Use Engineering Software Dr Christian FANG
- 15:00 Opportunities and Challenges of Advanced Manufacturing in Hong Kong Ir Hing Leung YIU
- 15:10 *Questions and Answers*
- 15:15 **Panel Discussion II: Highlight Clinical Case Scenarios** **Moderator:**
Dr Kelvin YEUNG
 - Dr Jason FAN
 - Dr Alec HUNG
 - Dr Chi Fai KAN

Panelists:

 - Dr George NG
 - Dr Sherby PANG
 - Prof Alex LEE
- 15:50 **Afternoon Break**

Session IV: 3D Printing in State of Art Medical Research & Training Ir Bryan SO
Dr Kwok Chung LAI

- 16:05 3D Printed Mask for Facial Scar Treatment Prof Cecilia LI
- 16:15 Application of 3D printing in Bioactive Scaffold – From Material Design to Clinical Application Prof Ling QIN
- 16:25 3D Printing & Skill Training, the Way Forward Dr George NG
- 16:35 Nanoscale 3D Printing for Bio/Nanomaterials Dr Ji Tae KIM
- 16:45 *Questions and Answers*
- 16:50 **Panel Discussion III: Regulatory & Ethical Concerns of Medical 3D Printing** **Moderator:**
Ir Bryan SO

Panelists:

 - Ms Ami SIN
 - Mr Koen PERRE
 - Prof Ling QIN
 - Dr Hong CAI
 - Prof Jack CHENG
 - Dr Kwok Chung LAI
 - Mr Edmond YAU
 - Ir Dr Martin WONG
 - Dr Christian FANG
 - Prof Kenneth CHEUNG
 - Prof Cecilia LI
- 17:20 *Question and Answers*
- 17:25 **Closing Remarks** Ms Ami SIN

Date:	July 28, 2018 (Sat)
Time:	09:00 - 17:30
Venue:	Charles K. Kao Auditorium, Hong Kong Science Park
Target Audience:	Doctors, Allied health professionals, Nurses, Scientists, Engineers, Industrialists and Students
Registration:	https://goo.gl/gS1dNi Free of charge First-come-first served and subjected to the Organizing Committee's final decision
CME points:	All colleges, nursing and allied health associations (Pending)

Organizing Committee

Conference Chair	Ms Ami SIN	Hong Kong 3D Printing Association
Conference Vice Chair	Prof Jack CY CHENG Dr Christian FANG	The Chinese University of Hong Kong The University of Hong Kong
Organizing Committee	Mr Elvis CHUI Ms Yuk Han STONE Dr Lung Fung TSE Mr Edmond YAU	The Chinese University of Hong Kong Queen Elizabeth Hospital Private Practice Orthopaedic Surgeon Hong Kong 3D Printing Association
Conference Secretariat	Ms Jennifer KWAN Dr Sibyl MAK Ms Jenny TAM	jennifer@koln3d-tech.com smak@koln3d-tech.com jcytam0@hku.hk

Honorary Advisory Board

Prof Jack CY CHENG
Chair Professor & Chair of Dept
Dept of Orthopaedics & Traumatology
Faculty of Medicine
The Chinese University of Hong Kong

Prof Kenneth MC CHEUNG
Chair Professor & Head of Dept
Dept of Orthopedics & Traumatology
Li Ka Shing Faculty of Medicine
The University of Hong Kong

Prof Hau Chung MAN
Chair Professor & Faculty Dean
Faculty of Engineering
The Hong Kong Polytechnic University

(in alphabetical order)

Organizers



香港三維打印協會
HONG KONG 3D PRINTING ASSOCIATION



THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學
FACULTY OF ENGINEERING
工程學院



Supporting Organizations

