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| CAOS 2018: THE 18TH ANNUAL MEETING OF THE INTERNATIONAL SOCIETY FOR COMPUTER ASSISTED ORTHOPAEDIC SURGERY  [PROGRAM](index.html)[INDEXES](talk_indexes.html)  PROGRAM  Days: [Wednesday, June 6th](2018-06-06.html) [Thursday, June 7th](2018-06-07.html)[Friday, June 8th](2018-06-08.html) [Saturday, June 9th](2018-06-09.html)  Wednesday, June 6th  View this program: [with abstracts](2018-06-06.html)[session overview](bysession-2018-06-06.html)[talk overview](bytalk-2018-06-06.html)  **08:00-19:45** Session 1  Registration  LOCATION: Registration Venue  **08:30-20:00** Session 2  Precongress Workshop on Orthopaedic Oncology  Chairs: Professor Xiaohui Niu and Dr Kwok-chuen Wong  8:30 – 8:55 Regsitration  8:55 – 9:00 Welcome address; KC Wong  9:00 – 9:20 Introduction of CAS in Orthopaedic Oncology (why we need it); Xiaohui Niu  9:20 – 9:50 Navigation in Orthopaedic Oncology (General principles, clinical workflow and indications); Ashish Mahendra  10:00 – 10:15 Navigated physical ablation in bone tumor surgery; Paul Jutte  10:15 – 10:30 Limitations and tips to avoid pitfalls; Paul Jutte  10:30 – 11:00 Coffee Break  11:00 – 12:00 Cases sharing sessions (Malignant bone tumors (pelvic / sacral / long bones) · Benign bone tumors · Physical ablation · 3D printing); All Speakers / participants Xiaohui Niu, Zheng Guo, Paul Jutte, Ashish Mahendra, KC Wong  12:00 – 13:00 Lunch & Group Photo  13:00 - 14:30 Demonstration: navigation assisted bone tumor resection (OrthoMap 3D, Stryker); JST team / KC Wong  14:30 – 15:00 Surgical accuracy in CAS in Orthopaedic Oncology (discussion on the white pape); Paul Jutte / KC Wong  15:00 – 15:20 Discussion on future development and collaboration; KC Wong  15:20 – 15:30 Workshop evaluation  18:00 – 20:00 Welcome reception; Location: Shangri-la Hotel, Beijing (meeting venue)  LOCATION: Orthopaedic training center, 2nd floor of Executive Office Building, Beijing Jishuitan Hospital, 31 Xinjiekou East Road, Beijing  **18:00-19:45** Session  Welcome Reception  LOCATION: Hotel Garden  Thursday, June 7th  View this program: [with abstracts](2018-06-07.html)[session overview](bysession-2018-06-07.html)[talk overview](bytalk-2018-06-07.html)  **08:30-09:30** Session 3  Special Poster Teaser  LOCATION: Valley Wing Grand Ballroom A+B   |  |  | | --- | --- | | 08:30 | *[Hisham Iqbal](person286.html)* (Imperial College London, UK) *[Ferdinando Rodriguez Y Baena](person41.html)* (Imperial College London, UK)  **Benchmarking of a Proposed Augmented-Reality System Architecture (** [abstract](2018-06-07.html" \l "talk:69065) **)** | | 08:33 | *[Nima Befrui](person266.html)* (Klinik für Allgemeine, Unfall- und Wiederherstellungschirurgie, LMU München, Germany) *[Jens Elsner](person267.html)* (Munich Innovation Labs, Grünwald, Germany, Germany) *[Achim Flesser](person268.html)* (CPE GmbH, Willich, Germany, Germany) *[Jacqueline Huvanandana](person269.html)* (Munich Innovation Labs, Grünwald, Germany, Germany) *[Oussama Jarrousse](person270.html)* (Munich Innovation Labs, Grünwald, Germany, Germany) *[Tuan Nam Le](person271.html)* (Klinik für Allgemeine, Unfall- und Wiederherstellungschirurgie, LMU München, Germany) *[Marcus Müller](person272.html)* (Munich Innovation Labs, Grünwald, Germany, Germany) *[Walther H. W. Schulze](person273.html)* (Evolunis UG, Knesebeck, Germany, Germany) *[Stefan Taing](person274.html)* (Munich Innovation Labs, Grünwald, Germany, Germany) *[Simon Weidert](person275.html)* (Klinik für Allgemeine, Unfall- und Wiederherstellungschirurgie, LMU München, Germany)  **Detection and Grading of Knee Joint Cartilage Defect Using Multi-Class Classification in Vibroarthrography (** [abstract](2018-06-07.html" \l "talk:69066) **)** | | 08:36 | *[Chen Huajiang](person255.html)* (1. Department of Orthopaedic Surgery, Changzheng Hospital, Second Military Medical University, China) *[Pan Xianwei](person256.html)* (1. Department of Orthopaedic Surgery, Changzheng Hospital, Second Military Medical University, China) *[Lin Yanping](person257.html)* (2. 2. School of Mechanical Engineering, Institute of Biomedical Manufacturing and Life Quality Engineering, China) *[Yuan Wen](person258.html)* (Department of Orthopaedic Surgery, Changzheng Hospital, Second Military Medical University, China)  **The Development and Preliminary Application of the Spinal Virtual Operation Training System with Haptic Feedback (** [abstract](2018-06-07.html" \l "talk:69067) **)** | | 08:39 | *[Mahmoud Hafez](person251.html)* (October 6 University, Egypt) *[Ahmed Moghny](person252.html)* (The Orthopaedic Department, October 6 University, Egypt)  **15-in-1: Femoral Cutting Block and Guide for Knee Replacement (** [abstract](2018-06-07.html" \l "talk:69068) **)** | | 08:42 | *[Satoshi Nakasone](person244.html)* (Department of Orthopedic surgery, Graduate school of medicine, University of the Ryukyus, Japan) *[Masato Ishihara](person245.html)* (Department of Orthopedic surgery, Graduate school of medicine, University of the Ryukyus, Japan) *[Hiroyuki Taira](person246.html)* (Department of Orthopedic surgery, Graduate school of medicine, University of the Ryukyus, Japan) *[Fuminori Kanaya](person247.html)* (Department of Orthopedic surgery, Graduate school of medicine, University of the Ryukyus, Japan) *[Mika Takaesu](person248.html)* (Department of Orthopedic surgery, Chubu Tokushukai Hospital, Japan) *[Shuko Chinen](person249.html)* (Department of Orthopedic surgery, Chubu Tokushukai Hospital, Japan) *[Yoshihide Miyata](person250.html)* (Department of Orthopedic surgery, Chubu Tokushukai Hospital, Japan)  **Accuracy of Mechanical Cup Alignment Device Based on Functional Pelvic Plane in DAA-THA with Supine Position (** [abstract](2018-06-07.html" \l "talk:69069) **)** | | 08:45 | *[Kazuma Takashima](person219.html)* (Department of Orthopaedic Surgery, Osaka University Graduate School of Medicine, Japan) *[Takashi Sakai](person203.html)* (Department of Orthopaedic Surgery, Osaka University Graduate School of Medicine, Japan) *[Hidetoshi Hamada](person124.html)* (Department of Orthopaedic Surgery, Osaka University Graduate School of Medicine, Japan) *[Masaki Takao](person122.html)* (Department of Orthopaedic Medical Engineering, Osaka University Graduate School of Medicine, Japan) *[Nobuhiko Sugano](person134.html)* (Department of Orthopaedic Medical Engineering, Osaka University Graduate School of Medicine, Japan)  **Anterior and Lateral Protrusion of the　Acetabular Component from the Acetabular Rim　Is the Risk Factor for Iliopsoas Impingement　After Total Hip Arthroplasty (** [abstract](2018-06-07.html" \l "talk:69070) **)** | | 08:48 | *[Patrick A Meere](person214.html)* (New York University Langone Orthopaedic Surgery, United States) *[Gaia Salvadore](person217.html)* (New York University Langone Orthopaedic Surgery, United States) *[Lauren Chu](person196.html)* (New York University Langone Orthopaedic Surgery, United States) *[Peter Walker](person197.html)* (New York University Langone Orthopaedic Surgery, United States)  **Is the Functional Laxity of Total Knees Arthroplasties Similar to That of Native Knees? (** [abstract](2018-06-07.html" \l "talk:69071) **)** | | 08:51 | *[Ameer Elbuluk](person208.html)* (Department of Orthopaedic Surgery, NYU Langone Medical Center, New York, NY, United States) *[Seth Jerabek](person209.html)* (Department of Orthopaedic Surgery, Hospital for Special Surgery, New York, NY, United States) *[Wayne Paprosky](person210.html)* (Department of Orthopaedic Surgery, Rush University Medical Center, Chicago, Illinois, United States) *[Peter Sculco](person211.html)* (Department of Orthopaedic Surgery, Hospital for Special Surgery, New York, NY, United States) *[Patrick Meere](person212.html)* (Department of Orthopaedic Surgery, NYU Langone Medical Center, New York, NY, United States) *[Ran Schwarzkopf](person202.html)* (Department of Orthopaedic Surgery, NYU Langone Medical Center, New York, NY, United States) *[David Mayman](person213.html)* (Department of Orthopaedic Surgery, Hospital for Special Surgery, New York, NY, United States) *[Patrick Meere](person214.html)* (Department of Orthopaedic Surgery, NYU Langone Medical Center, New York, NY, United States) *[Jonathan Vigdorchik](person215.html)* (Department of Orthopaedic Surgery, NYU Langone Medical Center, New York, NY, United States)  **Computer Navigation for Revision Total Hip Arthroplasty Reduces Dislocation Rates (** [abstract](2018-06-07.html" \l "talk:69072) **)** | | 08:54 | *[Krishna Kiran Eachempati](person138.html)* (MAXCURE HOSPITALS, HYDERABAD, India) *[Chandra Sekhar Dannana](person139.html)* (MAXCURE HOSPITALS, HYDERABAD, India) *[Giridhar Boyapati](person140.html)* (MAXCURE HOSPITALS, HYDERABAD, India)  **The Relationship Between Anterior Cruciate Ligament(ACL) Integrity and External Rotation Required for Optimal Rotational Alignment in Indian Knees: a Computer Navigation Based Study. (**[abstract](2018-06-07.html" \l "talk:69073) **)** | | 08:57 | *[Hidetoshi Hamada](person124.html)* (Osaka University, Japan) *[Masaki Takao](person132.html)* (Osaka University, Japan) *[Takashi Sakai](person203.html)* (Osaka University, Japan) *[Nobuhiko Sugano](person125.html)* (Osaka University, Japan)  **Reduced Bony Hip Range of Motion Associated with Adl Impairment Related to Hip Flexion After Rotational Acetabular Osteotomy (** [abstract](2018-06-07.html" \l "talk:69074) **)** | | 09:00 | *[Yang Guo](person160.html)* (JISHUITAN hospital, China) *[Wen Tian](person161.html)* (JISHUITAN hospital, China)  **A Cadaveric Study on the Accuracy of an Individualized Guiding Template to Assist Scaphoid Fixation Using Computerized Tomography and Three-Dimensional Printing (** [abstract](2018-06-07.html" \l "talk:69075) **)** | | 09:03 | *[Jung-Taek Kim](person146.html)* (Ajou University Hospital, South Korea) *[Quanhu Shen](person147.html)* (Ajou University Hospital, China) *[Ye-Yeon Won](person148.html)* (Ajou University Hospital, South Korea)  **Morphological Patterns of Anterior Femoral Condylar Resection in Kinematically- Aligned and Mechanically-Aligned Total Knee Arthroplasty (**[abstract](2018-06-07.html" \l "talk:69076) **)** | | 09:06 | *[Yan Ding](person114.html)* (Yantai Shan Hospital, China) *[Jianqing Liu](person115.html)* (Yantai Shan Hospital, China) *[Jianfeng Zhang](person116.html)* (Yantai Shan Hospital, China)  **Treatment of Spinal Fracture with Orthopaedic Robot - Primary Result and Limitation Analysis (** [abstract](2018-06-07.html" \l "talk:69077) **)** | | 09:09 | *[Xun Ma](person91.html)* (Chinese Communist, China) *[Zejun Xing](person112.html)* (nonparty, China) *[Zhuo Ma](person113.html)* (nonparty, China)  **Minimally Invasive Spinal Grading Osteotomy (**[abstract](2018-06-07.html" \l "talk:69078) **)** | | 09:12 | *[Hoel Letissier](person107.html)* (Centre Hospitalier Régional Universitaire de Brest, France) *[Guillaume Dardenne](person108.html)* (Centre Hospitalier Régional Universitaire de Brest, France) *[Eric Stindel](person109.html)* (Centre Hospitalier Régional Universitaire de Brest, France) *[Dominique Le Nen](person110.html)* (Centre Hospitalier Régional Universitaire de Brest, France) *[Nathalie Kerfant](person111.html)* (Centre Hospitalier Régional Universitaire de Brest, France)  **Volar Plates for Distal Radius, Is the Length of Epiphyseal Screws Predictable? (** [abstract](2018-06-07.html" \l "talk:69079) **)** | | 09:15 | *[Yang Sun](person89.html)* (CAOS, China) *[Chungmin Chan](person90.html)* (CAOS, Singapore) *[Xiaohui Niu](person23.html)* (CAOS, China)  **Proximal Femoral Osteochondroma Excision Aided by Computer Navigation: Surgical Technique and Case Series (** [abstract](2018-06-07.html" \l "talk:69080) **)** | | 09:18 | *[Lung Chan](person74.html)* (Department of Orthopedics, Bejing Chaoyang Hospital, Capital Medical University, Beijing, China) *[Yong Hai](person75.html)* (Department of Orthopedics, Bejing Chaoyang Hospital, Capital Medical University, Beijing, China) *[Xiaolong Chen](person76.html)* (Department of Orthopedics, Bejing Chaoyang Hospital, Capital Medical University, Beijing, China)  **A Comparative Study of Robot Assisted Insertion and Traditional Free-Hand Pedicle Screw Technique (**[abstract](2018-06-07.html" \l "talk:69081) **)** | | 09:21 | *[Hooman Esfandiari](person61.html)* (The University of British Columbia, Canada) *[Carolyn Anglin](person62.html)* (University of Calgary, Canada) *[Pierre Guy](person63.html)* (The University of British Columbia, Canada) *[Antony Hodgson](person64.html)* (The University of British Columbia, Canada)  **A Deep Learning-Based Approach for Localization of Pedicle Regions in Preoperative CT Scans (** [abstract](2018-06-07.html" \l "talk:69082) **)** | | 09:24 | *[Yu Feng](person57.html)* (Bei Jing JIshuitan hospital, China) *[Niu Xiaohui](person23.html)* (Bei Jing JIshuitan hospital, China) *[Zhang Qing](person25.html)* (Bei Jing JIshuitan hospital, China) *[Zhao Haitao](person58.html)* (Bei Jing JIshuitan hospital, China) *[Xu Lihui](person59.html)* (Bei Jing JIshuitan hospital, China) *[Deng Zhiping](person60.html)* (Bei Jing JIshuitan hospital, China)  **Radiofrequency Ablation Under 3D Intraoperative Iso-C C- Arm Navigation for the Treatment of Osteoid Osteomas (** [abstract](2018-06-07.html" \l "talk:69083) **)** | | 09:27 | *[Rahul Khare](person42.html)* (Smith & Nephew, United States) *[Branislav Jaramaz](person43.html)* (Smith & Nephew, United States)  **Clinical Variability of Landmark Collection in an Imageless Robot-Assisted Total Knee Arthroplasty System (** [abstract](2018-06-07.html" \l "talk:69084) **)** |   **09:30-09:45** Session  Opening Cerimony  LOCATION: Valley Wing Grand Ballroom A+B  **09:45-10:45** Session 4  Keynote I (TBD)  LOCATION: Valley Wing Grand Ballroom A+B  **10:45-11:45** Session 5  Spine  LOCATION: Valley Wing Grand Ballroom A+B   |  |  | | --- | --- | | 10:45 | *[Da He](person236.html)* (Beijing Jishuitan Hospital, China) *[Wei Tian](person237.html)* (Beijing Jishuitan Hospital, China)  **Robot Assisted Midline Lumbar Fusion with Cortical Bone Trajectory Screw (** [abstract](2018-06-07.html" \l "talk:69017) **)** | | 10:55 | *[Rens Janssens](person234.html)* (University of Bern, Swkitzerland, Switzerland) *[Guoyan Zheng](person235.html)* (University of Bern, Swkitzerland, Switzerland)  **Deep Learning Based Segmentation of Lumbar Vertebrae from CT Images (** [abstract](2018-06-07.html" \l "talk:69018) **)** | | 11:05 | *[Xiao Qi](person149.html)* (Rutgers University, United States) *[Nilay Vora](person150.html)* (Rutgers University, United States) *[Luis Riera](person151.html)* (Rutgers University, United States) *[Amrut Sarangi](person152.html)* (Rutgers University, United States) *[George Youssef](person153.html)* (Rutgers University, United States) *[Michael Vives](person154.html)* (Rutgers University, United States) *[Ilker Hacihaliloglu](person155.html)* (Rutgers University, United States)  **Automatic Scan Plane Identification from 2D Ultrasound for Pedicle Screw Guidance (** [abstract](2018-06-07.html" \l "talk:69036) **)** | | 11:15 | *[Han Wang](person104.html)* (Beijing Jishuitan Hospital, China) *[Yajun Liu](person85.html)* (Beijing Jishuitan Hospital, China) *[Mingxing Fan](person84.html)* (Beijing Jishuitan Hospital, China) *[Jile Jiang](person105.html)* (Beijing Jishuitan Hospital, China) *[Wei Tian](person106.html)* (Beijing Jishuitan Hospital, China)  **Robot Assisted Transforaminal Percutaneous Endoscopic Lumbar Discectomy (** [abstract](2018-06-07.html" \l "talk:69045) **)** | | 11:25 | *[Wei Tian](person83.html)* (Beijing Jishuitan Hospital, China) *[Mingxing Fan](person84.html)* (Beijing Jishuitan Hospital, China) *[Yajun Liu](person85.html)* (Beijing Jishuitan Hospital, China)  **Internal Fixation in Upper Cervical Spinal Surgery: a Randomized Controlled Study (** [abstract](2018-06-07.html" \l "talk:69049) **)** | | 11:35 | *[Suhua Wu](person1.html)* (No.538 Hospital of P.L.A, China) *[Zheng Guo](person2.html)* (Xi'jing Hospital, China) *[Jianhua Chen](person3.html)* (Hanzhong Central Hospital, China) *[Shenghai Wang](person4.html)* (Hanzhong Central Hospital, China)  **Application of a Novel Customized Guide Template in Percutaneous Pedicle Screw Placement: an in Vitro Study (** [abstract](2018-06-07.html" \l "talk:69064) **)** |   **12:00-13:00** Session  Satellite Event and Lunch  LOCATION: Valley Wing Grand Ballroom A+B  **13:00-13:30** Session 6  Poster Session (I)  LOCATION: Exhibition Venue   |  |  | | --- | --- | | 13:00 | *[Patrick A Meere](person214.html)* (New York University Langone Orthopaedic Surgery, United States) *[Nicholas Parody](person218.html)* (NYU Langone Orthopedic Hospital, United States) *[Peter Walker](person197.html)* (NYU Langone Orthopedic Hospital, United States)  **Comprehensive “Shopping Guide” to Robot-Assisted Surgical Systems (** [abstract](2018-06-07.html" \l "talk:69091) **)** | | 13:00 | *[Jile Jiang](person105.html)* (Beijing Jishuitan Hospital, China) *[Yuqing Sun](person204.html)* (Beijing Jishuitan Hospital, China) *[Wei Tian](person106.html)* (Beijing Jishuitan Hospital, China)  **Robot Aassisted Olif Combined with Endoscopy in the Treatment of Lumbar Disc Herniation, a Novel Total Minimally Invasive Solution (** [abstract](2018-06-07.html" \l "talk:69092) **)** | | 13:00 | *[Ching Shiow Tseng](person190.html)* (National Central University, Taiwan) *[Dian Shiu Wu](person191.html)* (National Central University, Taiwan) *[Kuan Chun Chen](person192.html)* (National Central University, Taiwan) *[Chih Ju Chang](person193.html)* (Cathay General Hospital, Taiwan)  **Positioning Accuracy Test of a Self-Developed 2D C-Arm Image Based Robotic Navigation System for Spine Surgery (** [abstract](2018-06-07.html" \l "talk:69093) **)** | | 13:00 | *[Hao Tang](person171.html)* (Beijing Jishuitan Hospital, China) *[Yixin Zhou](person15.html)* (Beijing Jishuitan Hospital, China) *[Baojun Mai](person172.html)* (Beijing Yiemed Medical Technology Co. Ltd, China) *[Binjie Zhu](person173.html)* (Beijing Yiemed Medical Technology Co. Ltd, China) *[Ping Chen](person174.html)* (Beijing Yiemed Medical Technology Co. Ltd, China) *[Yujia Fu](person175.html)* (Beijing Yiemed Medical Technology Co. Ltd, China)  **Measurement of Intraoperative Range of Motion of Total Hip Arthroplasty Using an Inertial Measurement Unit Based Smart Tiral System: an in Vitro Validation Experiment (** [abstract](2018-06-07.html" \l "talk:69094) **)** | | 13:00 | *[Junlei Hu](person156.html)* (Shanghai Jiao Tong University, China) *[Liyu Xu](person157.html)* (Shanghai Jiao Tong University, China) *[Liao Wang](person158.html)* (Shanghai Ninth People's Hospital Affiliated to Shanghai Jiao Tong University School of Medicine, China) *[Xiaojun Chen](person159.html)* (Shanghai Jiao Tong University, China)  **Automated Measurement on Morphological Parameters of Proximal Femur Based on Three-Dimensional Model (** [abstract](2018-06-07.html" \l "talk:69095) **)** | | 13:00 | *[Kazunori Tamura](person129.html)* (Osaka University, Japan) *[Masaki Takao](person122.html)* (Department of Orthopaedic Surgery, Osaka University Graduate School of Medicine, Japan) *[Hidetoshi Hamada](person124.html)* (Osaka University, Japan) *[Takashi Sakai](person123.html)* (Department of Orthopedic Surgery, Osaka University Graduate School of Medicine, Osaka, Japan, Japan) *[Nobuhiko Sugano](person125.html)* (Osaka University, Japan)  **Femoral Asymmetry of Dysplastic Hip Makes Radiographic Leg Length Measurement Inaccurate (**[abstract](2018-06-07.html" \l "talk:69097) **)** | | 13:00 | *[Hui Zhao](person71.html)* (Yinchuan Allinmd Intelligent Orthopaedic Hospital, China) *[Haishan Wu](person72.html)* (Orthopaedic Department of Shanghai Changzheng Hospital, China) *[Yuli Wu](person73.html)* (Orthopaedic Department of Shanghai Changzheng Hospital, China)  **A New Computer Assisted TKA System: WATO (**[abstract](2018-06-07.html" \l "talk:69099) **)** | | 13:00 | *[Yifei Dai](person44.html)* (Exactech Inc, United States) *[James Huddleston](person52.html)* (Dept of Orthopaedic Surgery, Stanford University School of Medicine, United States) *[Matt Rueff](person53.html)* (Exactech Inc, United States) *[Laurent Angibaud](person54.html)* (Exactech Inc, United States) *[Derek Amanatullah](person55.html)* (Dept of Orthopaedic Surgery, Stanford University School of Medicine, United States)  **Accuracy of a CAOS Enhanced Mechanical Instrument System for Total Knee Arthroplasty (**[abstract](2018-06-07.html" \l "talk:69100) **)** | | 13:00 | *[Yajun Liu](person29.html)* (Beijing Jishuitan Hospital, China) *[Jingwei Zhao](person30.html)* (Beijing Jishuitan Hospital, China) *[Mingxing Fan](person31.html)* (Beijing Jishuitan Hospital, China) *[Wei Tian](person32.html)* (Beijing Jishuitan Hospital, China)  **Clinical Factors Affecting Clinical Accuracy of an Intraoperative 3D Image-Based Auto-Registration Active Infrared Navigation System. (** [abstract](2018-06-07.html" \l "talk:69101) **)** | | 13:00 | *[Jing Tang](person14.html)* (beijing jishuitan hospital, China) *[Yixin Zhou](person15.html)* (beijing jishuitan hospital, China)  **The Effects of Component Malalignment on Pressure Distribution of Proximal Tibial Surface in Total Knee Arthroplasty. (** [abstract](2018-06-07.html" \l "talk:69102) **)** |   **13:30-14:30** Session 7  Keynote Talk II (TBD)  LOCATION: Valley Wing Grand Ballroom A+B  **14:30-15:30** Session 8  Biomechanics & Modelling  LOCATION: Valley Wing Grand Ballroom A+B   |  |  | | --- | --- | | 14:30 | *[Matthew Banger](person276.html)* (University of Strathclyde, UK) *[Philip Rowe](person277.html)* (University of Strathclyde, UK) *[Mark Blyth](person278.html)* (Glasgow Royal Infirmary, NHSGGC, UK) *[Lindsay Millar](person302.html)* (University of Strathclyde, UK) *[Angus Maclean](person303.html)* (Glasgow Royal Infirmary, GGCNHS, UK) *[Bryn Jones](person304.html)* (Glasgow Royal Infirmary, GGCNHS, UK) *[Iona Donnelly](person305.html)* (Glasgow Royal Infirmary, GGCNHS, UK)  **5-year gait analysis as a secondary outcome of a fixed bearing robotic assisted versus mobile bearing manual UKA RCT (** [abstract](2018-06-07.html" \l "talk:69013) **)** | | 14:40 | *[Shameem Sampath](person231.html)* (The Bluespot Knee Clinic, UK) *[Loren Cobb](person232.html)* (University of Colorado, Denver, United States) *[Raoul P P P Grasman](person233.html)* (University of Amsterdam, Netherlands)  **The Pivot Shift Test Modelled by Catastrophe Theory Corresponds to a Cusp Catastrophe (** [abstract](2018-06-07.html" \l "talk:69019) **)** | | 14:50 | *[Patrick A Meere](person214.html)* (New York University Langone Orthopaedic Surgery, United States) *[Peter S. Walker](person197.html)* (New York University Langone Orthopaedic Surgery, United States) *[Jan Victor](person216.html)* (UZ Gent, Belgium)  **Quantitative Assessment of Tibial Contact Loads Form a Straight Leg Raising Test During Total Knee Arthroplasty (** [abstract](2018-06-07.html" \l "talk:69023) **)** | | 15:00 | *[Kunihiko Tokunaga](person119.html)* (Niigata Hip Joint Center, Kameda Daiichi Hospital, Japan) *[Juliana Hsu](person117.html)* (Chair of Medical Engineering, Helmholtz Institute for Biomedical Engineering, RWTH Aachen University, Germany, Germany) *[Maximilian Fischer](person118.html)* (Chair of Medical Engineering, Helmholtz Institute for Biomedical Engineering, RWTH Aachen University, Germany, Germany) *[Masashi Okamoto](person130.html)* (Department of Radiology, Kameda Daiichi Hospital, Niigata, Japan, Japan) *[Klaus Radermacher](person121.html)* (Chair of Medical Engineering, Helmholtz Institute for Biomedical Engineering, RWTH Aachen University, Germany, Germany)  **Why Did Anterior Dislocation Occur During Dandling Her Baby in Front of Her in Standing Position After Tha? (** [abstract](2018-06-07.html" \l "talk:69041) **)** | | 15:10 | *[Juliana Hsu](person117.html)* (RWTH Aachen University, Germany) *[Maximilian Fischer](person118.html)* (RWTH Aachen University, Germany) *[Kunihiko Tokunaga](person119.html)* (Niigata Hip Joint Center, Kameda Daiichi Hospital, Japan) *[Gildas Esnault](person120.html)* (RWTH Aachen University, Germany) *[Klaus Radermacher](person121.html)* (RWTH Aachen University, Germany)  **Analyzing Bony Constraints as a Key Stone of an Integrated Approach Towards Functional Tha Planning (** [abstract](2018-06-07.html" \l "talk:69044) **)** | | 15:20 | *[Katrien Plessers](person33.html)* (Katholieke Universiteit Leuven, Belgium) *[Roel Wirix-Speetjens](person34.html)* (Materialise, Belgium) *[Ilse Jonkers](person35.html)* (Katholieke Universiteit Leuven, Belgium) *[Philippe Debeer](person36.html)* (University Hospitals Leuven, KU Leuven, Belgium) *[Jos Vander Sloten](person37.html)* (Katholieke Universiteit Leuven, Belgium)  **Visualisation and Quantification of Impingement-Free Range-of-Motion in Reverse Shoulder Arthroplasty Planning (** [abstract](2018-06-07.html" \l "talk:69057) **)** |   **15:30-16:00** Session  Tea & Coffee  LOCATION: Hotel Garden  **16:00-17:00** Session 9  Panel Discussion on Computer Assisted Surgery (CAS) in Orthopaedic Oncology  Chairs: Professor Xiaohui Niu and Dr Kwok-chuen Wong  16:00 - 16:05 Introduction of CAS in Orthopaedic Oncology; KC Wong  16:05 - 16:15 Navigation in bone tumor surgery; Ashish Mahendra  16:15 - 16:25 Navigated physical ablation in bone tumor surgery; Paul Jutte  16:25 - 16:35 3D printing in Orthopaedic Oncology; Zheng Guo  16:35 - 16:45 Data Technology in Orthopaedic Oncology: JST Hospital Experience; Xiaohui Niu  16:45 - 17:00 Discussion; All speakers  LOCATION: Valley Wing Grand Ballroom A+B  **17:45-20:45** Session  President Dinner  LOCATION: Presidential Dinner Venue  Friday, June 8th  View this program: [with abstracts](2018-06-08.html)[session overview](bysession-2018-06-08.html)[talk overview](bytalk-2018-06-08.html)  **08:30-09:30** Session 10  Keynote Talk III (TBD)  LOCATION: Valley Wing Grand Ballroom A+B  **09:30-10:00** Session 11  Knee Replacement (I)  LOCATION: Valley Wing Grand Ballroom A+B   |  |  | | --- | --- | | 09:30 | *[Lauren Chu](person196.html)* (NYULMC, United States) *[Peter Walker](person197.html)* (NYU Langone Orthopedic Hospital, United States) *[Richard Iorio](person198.html)* (NYULMC, United States) *[Joseph Zuckerman](person199.html)* (NYULMC, United States) *[James Slover](person200.html)* (NYULMC, United States) *[Claudette Lajam](person201.html)* (NYULMC, United States) *[Ran Schwarzkopf](person202.html)* (NYULMC, United States)  **Investigation of Foot Sensor Insoles for Measuring Functional Outcome After Total Knee Replacement (**[abstract](2018-06-08.html" \l "talk:69025) **)** | | 09:40 | *[Krishna Kiran Eachempati](person138.html)* (MAXCURE HOSPITALS, HYDERABAD, India) *[Chandra Sekhar Dannana](person139.html)* (MAXCURE HOSPITALS, India) *[Giridhar Boyapati](person140.html)* (MAXCURE HOSPITALS, HYDERABAD, India)  **The Relationship of the Posterior Condylar Axis and Whiteside’S Axis in Varus Osteoarthritic Indian Knees Undergoing Primary Total Knee Arthroplasty: a Computer Navigation Based Study (** [abstract](2018-06-08.html" \l "talk:69033) **)** | | 09:50 | *[Yifei Dai](person44.html)* (Exactech Inc, United States) *[James Huddleston](person52.html)* (Dept of Orthopaedic Surgery, Stanford University School of Medicine, United States) *[Matt Rueff](person53.html)* (Exactech Inc, United States) *[Laurent Angibaud](person54.html)* (Exactech Inc, United States) *[Derek Amanatullah](person55.html)* (Dept of Orthopaedic Surgery, Stanford University School of Medicine, United States)  **Learning of a CAOS Enhanced Mechanical Instrument System for Total Knee Arthroplasty: a CUSUM Analysis (** [abstract](2018-06-08.html" \l "talk:69052) **)** |   **10:00-10:30** Session  Tea & Coffee  LOCATION: Hotel Garden  **10:30-12:00** Session 12  Knee Replacement (II)  LOCATION: Valley Wing Grand Ballroom A+B   |  |  | | --- | --- | | 10:30 | *[Kamal Deep](person282.html)* (Golden Jubilee National Hospital, UK) *[Stuart Goudie](person283.html)* (Golden Jubilee National Hospital, UK) *[Siobhan Duffy](person284.html)* (Glasgow University, UK) *[Kumar Kaushik Dash](person285.html)* (Golden Jubilee National Hospital, UK)  **Collateral Soft Tissue Release and Correction of Deformity: a Myth Practiced in Knee Replacement Surgery (** [abstract](2018-06-08.html" \l "talk:69011) **)** | | 10:40 | *[Jong Keun Seon](person225.html)* (Chonnam National University Bitgoeul Hospital, South Korea) *[Eun Kyoo Song](person226.html)* (Chonnam National University Bitgoeul Hospital, South Korea) *[Kyu Jin Cho](person227.html)* (Chonnam National University Bitgoeul Hospital, South Korea)  **Robot Assisted Versus Conventional Total Knee Arthroplasty: a Prospective Randomized Controlled Trial Featuring Long Term Follow-up (** [abstract](2018-06-08.html" \l "talk:69021) **)** | | 10:50 | *[Branislav Jaramaz](person43.html)* (Smith and Nephew, United States) *[Riddhit Mitra](person205.html)* (Smith and Nephew, United States) *[Constantinos Nikou](person206.html)* (Smith and Nephew, United States) *[Cynthia Kung](person207.html)* (Smith and Nephew, United States)  **Technique and Accuracy Assessment of a Novel Image-Free Handheld Robot for Knee Arthroplasty in Bi-Cruciate Retaining Total Knee Replacement (**[abstract](2018-06-08.html" \l "talk:69024) **)** | | 11:00 | *[Krishna Kiran Eachempati](person138.html)* (MAXCURE HOSPITALS, HYDERABAD, India) *[Chandra Sekhar Dannana](person139.html)* (MAXCURE HOSPITALS, HYDERABAD, India) *[Giridhar Boyapati](person140.html)* (MAXCURE HOSPITALS, HYDERABAD, India)  **Comparison of the Accuracy of Computer Assisted Navigated Surgery in Achieving Final Component Alignment in Total Knee Arthroplasty Between Severe (>15deg) and Mild-Moderate (<15deg) Varus Deformities (** [abstract](2018-06-08.html" \l "talk:69038) **)** | | 11:10 | *[Yifei Dai](person44.html)* (Exactech Inc, United States) *[Guillaume Bras](person56.html)* (Blue Ortho, France) *[David Liu](person51.html)* (The Gold Coast Centre for Bone and Joint Surgery, Australia)  **Coronal Knee Laxity Measured During Computer-Assisted Total Knee Arthroplasty (** [abstract](2018-06-08.html" \l "talk:69053) **)** | | 11:20 | *[Yifei Dai](person44.html)* (Exactech Inc, United States) *[Michael Bolognesi](person45.html)* (Duke Orthopaedics, United States) *[Samuel Wellman](person46.html)* (Duke Orthopaedics, United States) *[Thorsten Seyler](person47.html)* (Duke Orthopaedics, United States) *[Quanjun Cui](person48.html)* (University of Virginia School of Medicine, United States) *[Yassaman Najmabadi](person49.html)* (Exactech Inc, United States) *[Charlotte Bolch](person50.html)* (Exactech Inc, United States) *[David Liu](person51.html)* (The Gold Coast Centre for Bone and Joint Surgery, Australia)  **“Standard” Versus “Challenging” Patients - Early Outcomes Using Computer-Assisted Total Knee Arthroplasty (** [abstract](2018-06-08.html" \l "talk:69055) **)** | | 11:30 | *[Jean-Yves Jenny](person16.html)* (University Hospital Strasbourg, France) *[Dominique Saragaglia](person18.html)* (University Hospital Grenoble, France)  **Navigation Improves the Ten to Fifteen Year Survival Rate After Total Knee Arthroplasty for Severe Coronal Deformation. a Case-Control French Multicentric Nationwide Study. (** [abstract](2018-06-08.html" \l "talk:69060) **)** | | 11:40 | *[Jean-Yves Jenny](person16.html)* (University Hospital Strasbourg, France) *[Dominique Saragaglia](person17.html)* (University Hospital Grenoble, France)  **Navigation Improves the Ten to Fifteen Year Survival Rate After Mobile Bearing Total Knee Arthroplasty. a French Multicentric Nationwide Study. (** [abstract](2018-06-08.html" \l "talk:69061) **)** | | 11:50 | *[Jean-Yves Jenny](person16.html)* (University Hospital Strasbourg, France) *[Dominique Saragaglia](person17.html)* (University Hospital Grenoble, France)  **Ten to Fifteen Year Survival of Navigation-Assisted Total Knee Arthroplasty. (** [abstract](2018-06-08.html" \l "talk:69062) **)** |   **12:00-13:00** Session  Satellite Event and Lunch  LOCATION: Valley Wing Grand Ballroom A+B  **13:00-13:30** Session 13  Poster Session (II)  LOCATION: Exhibition Venue   |  |  | | --- | --- | | 13:00 | *[Shameem Sampath](person231.html)* (The Bluespot Knee Clinic, UK) *[Howard Ho](person253.html)* (Medical of Science and Technology, United States) *[Min-Liang Wang](person254.html)* (Chang Bing Show Chwan Memorial Hospital, Taiwan)  **An Augmented Reality App for Lower Limb Exercise- a Focus Group Study (** [abstract](2018-06-08.html" \l "talk:69085) **)** | | 13:00 | *[Mahmoud Hafez](person251.html)* (October 6 University, Egypt) *[Ahmed Moghny](person252.html)* (The Orthopaedic Department, October 6 University, Egypt)  **Coupling System: a Method for Connecting Custom Made Guides to Conventional Instruments of Joint Replacement (** [abstract](2018-06-08.html" \l "talk:69086) **)** | | 13:00 | *[Mahmoud Hafez](person251.html)* (October 6 University, Egypt) *[Ahmed Moghny](person252.html)* (The Orthopaedic Department, October 6 University, Egypt)  **Custom Made Spacer: Treating an Infected Femur in Total Hip Replacement (** [abstract](2018-06-08.html" \l "talk:69087) **)** | | 13:00 | *[Mahmoud Hafez](person251.html)* (October 6 University, Egypt) *[Ahmed Abdel Moghny](person252.html)* (The Orthopaedic Department, October 6 University, Egypt)  **Patient-Specific Templates for Tumor Surgery (**[abstract](2018-06-08.html" \l "talk:69088) **)** | | 13:00 | *[Yifei Dai](person44.html)* (Exactech Inc, United States) *[Matthew Peterson](person228.html)* (Exactech Inc, United States) *[Katharine Wurm](person229.html)* (Medical Metrics Inc, United States)  **Accuracy and Reliability of Full-Length Lower Limb Radiographs in the Measurement of Coronal Alignment (** [abstract](2018-06-08.html" \l "talk:69089) **)** | | 13:00 | *[Jongkeun Seon](person225.html)* (Chonnam National University Bitgoeul Hospital, South Korea) *[Eun-Kyoo Song](person226.html)* (Chonnam National University Bitgoeul Hospital, South Korea) *[Kyu Jin Cho](person227.html)* (Chonnam National University Bitgoeul Hospital, South Korea)  **Comparison of Outcomes in Total Knee Arthroplasty Between VEGA® Total Knee System and E.Motion® Total Knee System (** [abstract](2018-06-08.html" \l "talk:69090) **)** | | 13:00 | *[Chunde Li](person135.html)* (Peking University 1st Hospital, China) *[Longtao Qi](person136.html)* (Peking University 1st Hospital, China) *[Yangyang Xu](person137.html)* (Peking University 1st Hospital, China)  **the Study of Artificial Intelligence-Assisted Diagnosis of Low Back Pain (** [abstract](2018-06-08.html" \l "talk:69096) **)** | | 13:00 | *[Baorong He](person100.html)* (Honghui Hospital, Xi'an Jiaotong University, China) *[Bolong Zheng](person101.html)* (Honghui Hospital, Xi'an Jiaotong University, China) *[Xiaobin Yang](person102.html)* (Honghui Hospital, Xi'an Jiaotong University, China) *[Dingjun Hao](person103.html)* (Honghui Hospital, Xi'an Jiaotong University, China)  **Application of Robot in Spinal Surgery (** [abstract](2018-06-08.html" \l "talk:69098) **)** | | 13:00 | *[Zhang Zaitian](person11.html)* (Huaihua hospital of traditional Chinese medicine, China) *[Zhang Xuhua](person12.html)* (Huaihua hospital of traditional Chinese medicine, China) *[Wei Zhihua](person13.html)* (Huaihua hospital of traditional Chinese medicine, China)  **Study the Clinical Curative Effect of the Percutaneous Vertebroplasty or "TINAVI" Robot Assisted in the Treatment of Osteoporotic Fracture (**[abstract](2018-06-08.html" \l "talk:69103) **)** | | 13:00 | *[Xin Qiang Yao](person9.html)* (Department of Spinal Surgery, Nanfang Hospital, Southern Medical University, China) *[Jianting Chen](person10.html)* (Department of Spinal Surgery, Nanfang Hospital, Southern Medical University, China)  **Application of Virtual Reality Platform in Osteotomy of Spinal Deformity (** [abstract](2018-06-08.html" \l "talk:69104) **)** |   **13:30-14:30** Session 14  Keynote Talk IV (TBD)  LOCATION: Valley Wing Grand Ballroom A+B  **14:30-15:00** Session 15  Oncology  LOCATION: Valley Wing Grand Ballroom A+B   |  |  | | --- | --- | | 14:30 | *[Hairong Xu](person27.html)* (Beijing Ji Shui Tan Hospital, China) *[Xiaohui Niu](person23.html)* (Beijing Ji Shui Tan Hospital, China)  **Partial Geographic Scapulectomy for Chondrosarcoma in the Scapula: Analysis About 3D Preoperative Planning and Surgery Using a Virtual Specimen (** [abstract](2018-06-08.html" \l "talk:69028) **)** | | 14:40 | *[Zhiping Deng](person86.html)* (Beijing Jishuitan Hospital, Peking University ,Beijing , China, China) *[Bin Li](person87.html)* (Beijing Jishuitan Hospital, Peking University ,Beijing , China, China) *[Tao Jin](person57.html)* (Beijing Jishuitan Hospital, Peking University ,Beijing , China, China) *[Qing Zhang](person25.html)* (Beijing Jishuitan Hospital, Peking University ,Beijing , China, China) *[Lin Hao](person88.html)* (Beijing Jishuitan Hospital, Peking University ,Beijing , China, China) *[Xiaohui Niu](person23.html)* (Beijing Jishuitan Hospital, Peking University ,Beijing , China, China)  **Accuracy of Bony Resection Under Computer Assisted Navigation Compared with Free-Hand Cutting for Bone Tumors Around the Knee (** [abstract](2018-06-08.html" \l "talk:69048) **)** | | 14:50 | *[Xiaohui Niu](person23.html)* (Beijing Ji Shui Tan Hospital, Peking University, China) *[Yongkun Yang](person24.html)* (Beijing Ji Shui Tan Hospital, Peking University, China) *[Qing Zhang](person25.html)* (Beijing Ji Shui Tan Hospital, Peking University, China) *[Yuan Li](person26.html)* (Beijing Ji Shui Tan Hospital, Peking University, China) *[Hairong Xu](person27.html)* (Beijing Ji Shui Tan Hospital, Peking University, China) *[Weifeng Liu](person28.html)* (Beijing Ji Shui Tan Hospital, Peking University, China)  **Precise Single Column Resection and Reconstruction with Femoral Head plus THR for Malignant Pelvic Tumors (** [abstract](2018-06-08.html" \l "talk:69058) **)** |   **15:00-15:30** Session  Tea & Coffee  LOCATION: Hotel Garden  **15:00-15:30** Session 16  Advisory Board & Regional Representatives Meeting  LOCATION: Valley Wing Pearl Room  **15:30-17:00** Session 17  Navigation Systems  LOCATION: Valley Wing Grand Ballroom A+B   |  |  | | --- | --- | | 15:30 | *[Stephane Lavallee](person279.html)* (SURGIVISIO, France) *[Laurence van Beek](person280.html)* (SURGIVISIO, France) *[David Armand](person281.html)* (SURGIVISIO, France)  **Method of Auto-Calibration and Auto-Registration of an Intra-Operative 3D Imaging System Integrated with Navigation (** [abstract](2018-06-08.html" \l "talk:69012) **)** | | 15:40 | *[Wang Junqiang](person260.html)* (Beijing Jishuitan Hospital, China) *[Han Wei](person261.html)* (Beijing Jishuitan Hospital, China) *[Zhang Teng](person262.html)* (Beijing Jishuitan Hospital, China) *[Su Yonggang](person263.html)* (Beijing Jishuitan Hospital, China) *[Wu Xinbao](person264.html)* (Beijing Jishuitan Hospital, China) *[Wang Manyi](person265.html)* (Beijing Jishuitan Hospital, China)  **a Retrospective Analysis of S2 Iliosacral Screw Fixation Using Robot-Assisted Navigation for Unstable Pelvic Injuries and Sacral Dysmorphism: a Report of 16 Cases (** [abstract](2018-06-08.html" \l "talk:69014) **)** | | 15:50 | *[Guanyu Cui](person194.html)* (Beijing Jishuitan Hospital, China) *[Wei Tian](person195.html)* (Beijing Jishuitan Hospital, China)  **Intraoperative 3-Dimensional Navigation-Assisted Hemivertebra Resection and Deformity Correction for Congenital Spinal Deformity (** [abstract](2018-06-08.html" \l "talk:69026) **)** | | 16:00 | *[Pornpavit Sriphirom](person186.html)* (Rajavithi Hospital, Thailand) *[Chaiyaporn Siramanakul](person187.html)* (Banphaeo Hospital Sathorn Branch, Thailand) *[Boonyawat Chanopas](person188.html)* (Medical Development Clinic, Thailand) *[Pimpinee Setasuban](person189.html)* (Banphaeo Hospital, Thailand)  **Impact of Coronal and Rotational Alignment on Forgotten Joint Score 2 Years After CAS TKA (**[abstract](2018-06-08.html" \l "talk:69027) **)** | | 16:10 | *[Masaki Takao](person122.html)* (Osaka University, Japan) *[Takashi Sakai](person123.html)* (Osaka University, Japan) *[Hidetoshi Hamada](person124.html)* (Osaka University, Japan) *[Nobuhiko Sugano](person125.html)* (Osaka University, Japan)  **What Factors Lead to Iliosacral Screw Malposition When Using 3d-Fluoroscopic Navigation? (** [abstract](2018-06-08.html" \l "talk:69043) **)** | | 16:20 | *[Yu Zhang](person77.html)* (Tsinghua University, China) *[Lei Qiu](person78.html)* (Tsinghua University, China) *[Qing Zhang](person79.html)* (Beijing Jishuitan Hospital, China) *[Lihui Xu](person80.html)* (Beijing Jishuitan Hospital, China) *[Yujin Yao](person81.html)* (Tsinghua University, China) *[Xiaohui Niu](person23.html)* (Beijing Jishuitan Hospital, China) *[Li Zhang](person82.html)* (Tsinghua University, China)  **Equivalence Evaluation of Point Registration and Intraoperative CT Registration While Using Navigation System (** [abstract](2018-06-08.html" \l "talk:69050) **)** | | 16:30 | *[Itay Perets](person65.html)* (American Hip Institute, Hadassah Hebrew University Hospital, United States) *[John Walsh](person66.html)* (American Hip Institute, United States) *[Brian Mu](person67.html)* (American Hip Institute, United States) *[Yosif Mansor](person68.html)* (American Hip Institute, Chaim Sheba Medical Center at Tel Hashomer, United States) *[Leslie Yuen](person69.html)* (American Hip Institute, United States) *[Benjamin Domb](person70.html)* (American Hip Institute, United States)  **Does Robotic-Arm Assisted Total Hip Arthroplasty Benefit Short-Term Clinical Outcomes? a Pair Match-Controlled Study (** [abstract](2018-06-08.html" \l "talk:69051) **)** | | 16:40 | *[Yifei Dai](person44.html)* (Exactech Inc, United States) *[Quanjun Cui](person48.html)* (University of Virginia School of Medicine, United States) *[Michael Bolognesi](person45.html)* (Duke Orthopaedics, United States) *[Samuel Wellman](person46.html)* (Duke Orthopaedics, United States) *[Thorsten Seyler](person47.html)* (Duke Orthopaedics, United States) *[Yassaman Najmabadi](person49.html)* (Exactech Inc, United States) *[Charlotte Bolch](person50.html)* (Exactech Inc, United States) *[David Liu](person51.html)* (The Gold Coast Centre for Bone and Joint Surgery, Australia)  **“Standard” Versus “Challenging” Patients - Perioperative Outcomes Using Computer-Assisted Total Knee Arthroplasty (** [abstract](2018-06-08.html" \l "talk:69054) **)** | | 16:50 | *[He Liu](person38.html)* (Imperial College London, UK) *[Edouard Auvinet](person39.html)* (Imperial College London, UK) *[Joshua Giles](person40.html)* (University of Victoria, Canada) *[Ferdinando Rodriguez Y Baena](person41.html)* (Imperial College, UK)  **An Exploration of Augmented Reality in Computer Assisted Orthopaedic Surgery (** [abstract](2018-06-08.html" \l "talk:69056) **)** |   **17:00-17:45** Session 18  General Assembly  LOCATION: Valley Wing Grand Ballroom A+B  **18:00-22:00** Session  Gala Dinner  LOCATION: Garden Wing Ballroom  Saturday, June 9th  View this program: [with abstracts](2018-06-09.html)[session overview](bysession-2018-06-09.html)[talk overview](bytalk-2018-06-09.html)  **08:30-10:00** Session 19  Hip  LOCATION: Valley Wing Grand Ballroom A+B   |  |  | | --- | --- | | 08:30 | *[Olivia Paserin](person259.html)* (The University of British Columbia, Canada) *[Kishore Mulpuri](person221.html)* (The University of British Columbia, Canada) *[Anthony Cooper](person222.html)* (British Columbia Children's Hospital, Canada) *[Rafeef Abugharbieh](person224.html)* (The University of British Columbia, Canada) *[Antony J. Hodgson](person64.html)* (The University of British Columbia, Canada)  **Improving 3D Ultrasound Scan Adequacy Classification Using a Three-Slice Convolutional Neural Network Architecture (** [abstract](2018-06-09.html" \l "talk:69015) **)** | | 08:40 | *[Niamul Quader](person220.html)* (The University of British Columbia, Canada) *[Antony Hodgson](person64.html)* (The University of British Columbia, Canada) *[Kishore Mulpuri](person221.html)* (The University of British Columbia, Canada) *[Anthony Cooper](person222.html)* (The University of British Columbia, Canada) *[Emily Schaeffer](person223.html)* (The University of British Columbia, Canada) *[Rafeef Abugharbieh](person224.html)* (The University of British Columbia, Canada)  **Using 3D Ultrasound to Improve Reliability in Assessing Developmental Dysplasia of the Hip (**[abstract](2018-06-09.html" \l "talk:69022) **)** | | 08:50 | *[Ata Jodeiri](person176.html)* (School of Electrical & Computer Engineering, University of Tehran, Tehran, Iran, Iran) *[Yoshito Otake](person177.html)* (Graduate School of Information Science, Nara Institute of Science and Technology, Nara, Japan) *[Reza A. Zoroofi](person178.html)* (School of Electrical & Computer Engineering, University of Tehran, Tehran, Iran, Iran) *[Yuta Hiasa](person179.html)* (Graduate School of Information Science, Nara Institute of Science and Technology, Nara, Japan) *[Masaki Takao](person180.html)* (Department of Orthopaedic Surgery, Osaka University Graduate School of Medicine, Suita, Japan) *[Keisuke Uemura](person181.html)* (Department of Orthopaedic Surgery, Osaka University Graduate School of Medicine, Suita, Japan) *[Nobuhiko Sugano](person182.html)* (Department of Orthopaedic Surgery, Osaka University Graduate School of Medicine, Suita, Japan) *[Yoshinobu Sato](person183.html)* (Graduate School of Information Science, Nara Institute of Science and Technology, Nara, Japan)  **Estimation of Pelvic Sagittal Inclination from Anteroposterior Radiograph Using Convolutional Neural Networks: Proof-of-Concept Study (** [abstract](2018-06-09.html" \l "talk:69030) **)** | | 09:00 | *[Ema Nakahara](person169.html)* (Osaka University, Japan) *[Nobuhiko Sugano](person125.html)* (Osaka University, Japan) *[Hidetoshi Hamada](person170.html)* (Osaka University, Japan) *[Masaki Takao](person122.html)* (Osaka University, Japan) *[Takashi Sakai](person123.html)* (Osaka University, Japan)  **Femoral Functional Rotational Position After Tha with a Version Changeable Dual Taper Modular Neck System in Ddh. (** [abstract](2018-06-09.html" \l "talk:69031) **)** | | 09:10 | *[Ryota Nakaya](person168.html)* (Department of Orthopaedic Medical Engineering, Osaka University Graduate School of Medicine, Japan) *[Masaki Takao](person122.html)* (Department of Orthopaedic Surgery, Osaka University Graduate School of Medicine, Japan) *[Hidetoshi Hamada](person124.html)* (Osaka University, Japan) *[Takashi Sakai](person123.html)* (Department of Orthopedic Surgery, Osaka University Graduate School of Medicine, Osaka, Japan, Japan) *[Nobuhiko Sugano](person125.html)* (Osaka University, Japan)  **Relationship Between Occult Fracture and Bone Mineral Density Around the Acetabular Component of Total Hip Arthroplasty (** [abstract](2018-06-09.html" \l "talk:69032) **)** | | 09:20 | *[Ryuichi Sato](person133.html)* (Osaka University, Japan) *[Masaki Takao](person122.html)* (Osaka University, Japan) *[Hidetoshi Hamada](person124.html)* (Osaka University, Japan) *[Takashi Sakai](person123.html)* (Osaka University, Japan) *[Nobuhiko Sugano](person134.html)* (Osaka University, Japan)  **Clinical Accuracy and Precision of Hip Resurfacing Arthroplasty Using Ct-Based Navigation (** [abstract](2018-06-09.html" \l "talk:69039) **)** | | 09:30 | *[Tetsuro Tani](person131.html)* (Department of Orthopedic Medical Engineering,Osaka University, Japan) *[Nobuhiko Sugano](person125.html)* (Department of Orthopedic Medical Engineering,Osaka University, Japan) *[Hidetoshi Hamada](person124.html)* (Department of Orthopedic Surgery Osaka University, Japan) *[Masaki Takao](person132.html)* (Department of Orthopedic Medical Engineering,Osaka University Graduate School of Medicine, Japan) *[Takashi Sakai](person123.html)* (Department of Orthopedic Surgery Osaka University, Japan)  **Analysis of the Factors That Lead to Adduction or Abduction Contracture (** [abstract](2018-06-09.html" \l "talk:69040) **)** | | 09:40 | *[Shanlin Chen](person126.html)* (Department of Hand Surgery, Beijing Jishuitan Hospital, China) *[Yanbo Rong](person127.html)* (Department of Hand Surgery, Beijing Jishuitan Hospital, China) *[Pengcheng Li](person128.html)* (Department of Hand Surgery, Beijing Jishuitan Hospital, China)  **Robot-Assisted Free Vascularised Fibular Grafting for the Treatment of Osteonecrosis of the Femoral Head (** [abstract](2018-06-09.html" \l "talk:69042) **)** | | 09:50 | *[Zheng Guo](person2.html)* (Xijing Hospital, The Fourth Military Medical University, China) *[Hong-Bin Fan](person5.html)* (Xijing Hospital, The Fourth Military Medical University, China) *[Jun Fu](person6.html)* (Xijing Hospital, The Fourth Military Medical University, China) *[Xiao-Kang Li](person7.html)* (Xijing Hospital, The Fourth Military Medical University, China) *[Yu-Lin Hao](person8.html)* (Institute of Metal Research, Chinese Academy of Sciences, China)  **Accurate Resection of Periacetabular Tumor and Reconstruction with a Novel 3D Printing Individualized Prosthesis (** [abstract](2018-06-09.html" \l "talk:69063) **)** |   **10:00-10:30** Session  Tea & Coffee  LOCATION: Hotel Garden  **10:30-12:00** Session 20  New Technologies & Approaches  LOCATION: Valley Wing Grand Ballroom A+B   |  |  | | --- | --- | | 10:30 | *[Qiang Yuan](person238.html)* (Beijing Jishuitan Hospital, China) *[Jingye Wu](person239.html)* (Beijing Jishuitan Hospital, China) *[Yajun Liu](person240.html)* (Beijing Jishuitan Hospital, China) *[Yonggang Xing](person241.html)* (Beijing Jishuitan Hospital, China) *[Yong Zhang](person242.html)* (TINAVI Medical Technologies Co., Ltd., China) *[Wei Tian](person243.html)* (Beijing Jishuitan Hospital, China)  **Robot-Assisted Screw Fixation in Upper Cervical Spine Using TiRobot System: an Accurate and Reliable Procedure (** [abstract](2018-06-09.html" \l "talk:69016) **)** | | 10:40 | *[Yifei Dai](person44.html)* (Exactech Inc, United States) *[Guillaume Bras](person56.html)* (Blue Ortho, France) *[Cyril Hamad](person230.html)* (Blue Ortho, France)  **Learning Curve in Computer-Assisted Total Knee Arthroplasty: a CUSUM Analysis (** [abstract](2018-06-09.html" \l "talk:69020) **)** | | 10:50 | *[Yuanzhi Zhang](person184.html)* (The Affiliated Hospital of Inner Mongolia Medical University, China) *[Shaobai Wang](person185.html)* (Shanghai University of Sport, China)  **The Determination and Application of the Osseous Fixation Pathways in Percutaneous Iliosacral Screw Fixation (** [abstract](2018-06-09.html" \l "talk:69029) **)** | | 11:00 | *[Vasilii Shishkin](person166.html)* (Central Clinical Hospital of the Russian Academy of Sciences, Russia) *[Valeriy Golubev](person167.html)* (Central Clinical Hospital of the Russian Academy of Sciences, Russia)  **Computer-Assisted Extra-Articular Distal Radius Osteotomies Using Patient-Specific Surgical Guides (**[abstract](2018-06-09.html" \l "talk:69034) **)** | | 11:10 | *[Guillaume Dardenne](person142.html)* (LATIM, France) *[Jean-Philippe Pluchon](person162.html)* (LATIM, France) *[Aziliz Guezou-Philippe](person163.html)* (LATIM, France) *[Hoel Letissier](person107.html)* (LATIM, France) *[Chafiaa Hamitouche](person164.html)* (LATIM, France) *[Christian Lefèvre](person165.html)* (LATIM, France) *[Eric Stindel](person109.html)* (LATIM, France)  **an Easy-to-Use Portable Ultrasound Based Device for the Measurement of the Pelvic Tilt (** [abstract](2018-06-09.html" \l "talk:69035) **)** | | 11:20 | *[Mateo Villa](person141.html)* (LaTIM - INSERM - UMR 1101, France) *[Guillaume Dardenne](person142.html)* (LaTIM - INSERM - UMR 1101, France) *[Maged Nasan](person143.html)* (LaTIM - INSERM - UMR 1101, France) *[Hoel Letissier](person107.html)* (LaTIM - INSERM - UMR 1101, France) *[Chafiaa Hamitouche](person144.html)* (LaTIM - INSERM - UMR 1101, France) *[Eric Stindel](person145.html)* (LaTIM - INSERM - UMR 1101, France)  **Fcn Based Approach for the Automatic Segmentation of Bone Surfaces in Ultrasound Images (** [abstract](2018-06-09.html" \l "talk:69037) **)** | | 11:30 | *[Irwansyah Idram](person95.html)* (Department of Mechanical Engineering, Syiah Kuala University, Indonesia., Taiwan) *[Tseng Yu-Wen](person96.html)* (Department of Mechanical Engineering, National Central University, Taoyuan, Taiwan, Taiwan) *[Lai Jiing-Yih](person97.html)* (Department of Mechanical Engineering, National Central University, Taoyuan, Taiwan, Taiwan) *[Liao Chao-Yaug](person98.html)* (Department of Mechanical Engineering, National Central University, Taoyuan, Taiwan, Taiwan) *[Lee Pei-Yuan](person99.html)* (Orthopedic Department, Show Chwan Memorial Hospital, Changhua, Taiwan, Taiwan)  **Development of 3d Printed Bone Reduction with Fracture Lines in Different Color (** [abstract](2018-06-09.html" \l "talk:69046) **)** | | 11:40 | *[Xun Ma](person91.html)* (Shanxi Da Yi Hospital, China) *[Liming He](person92.html)* (Shanxi Da Yi Hospital, China) *[Chen Chen](person93.html)* (Shanxi Da Yi Hospital, China) *[Honyi Zhang](person94.html)* (Shanxi Da Yi Hospital, China)  **Minimally Invasive Tubular Spondylectomy for C4 Metastasis Tumor (** [abstract](2018-06-09.html" \l "talk:69047) **)** | | 11:50 | *[Xing-Guang Tao](person19.html)* (Qingpu branch of Zhongshan Hospital Affiliated to Fudan University, China) *[Hui Liang](person20.html)* (Qingpu branch of Zhongshan Hospital Affiliated to Fudan University, China) *[Fu-Gen Pan](person21.html)* (Qingpu branch of Zhongshan Hospital Affiliated to Fudan University, China) *[Kai Hua Zhou](person22.html)* (Qingpu branch of Zhongshan Hospital Affiliated to Fudan University, China)  **The Accuracy and Safety of Patient-Specific 3D Printing Screws Insertion Templates Based on External Fixation for Pelvic Screw Insertion (** [abstract](2018-06-09.html" \l "talk:69059)**)** |   **12:00-12:30** Session  Award & Closing Ceremony  LOCATION: Valley Wing Grand Ballroom A+B  **12:30-13:30** Session  Lunch (TBD)  **13:30-14:30** Session 21  CAOS Scientific Committee Meeting  LOCATION: Valley Wing Pearl Room  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