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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)PROGRAMDays: [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 6thView 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 1RegistrationLOCATION: Registration Venue**08:30-20:00** Session 2Precongress Workshop on Orthopaedic OncologyChairs: Professor Xiaohui Niu and Dr Kwok-chuen Wong8:30 – 8:55 Regsitration8:55 – 9:00 Welcome address; KC Wong9:00 – 9:20 Introduction of CAS in Orthopaedic Oncology (why we need it); Xiaohui Niu9:20 – 9:50 Navigation in Orthopaedic Oncology (General principles, clinical workflow and indications); Ashish Mahendra10:00 – 10:15 Navigated physical ablation in bone tumor surgery; Paul Jutte10:15 – 10:30 Limitations and tips to avoid pitfalls; Paul Jutte10:30 – 11:00 Coffee Break11:00 – 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 Wong12:00 – 13:00 Lunch & Group Photo13:00 - 14:30 Demonstration: navigation assisted bone tumor resection (OrthoMap 3D, Stryker); JST team / KC Wong14:30 – 15:00 Surgical accuracy in CAS in Orthopaedic Oncology (discussion on the white pape); Paul Jutte / KC Wong15:00 – 15:20 Discussion on future development and collaboration; KC Wong15:20 – 15:30 Workshop evaluation18:00 – 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 ReceptionLOCATION: Hotel GardenThursday, June 7thView 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 3Special Poster TeaserLOCATION: Valley Wing Grand Ballroom A+B

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| 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%22%20%5Cl%20%22talk%3A69065) **)** |
| 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%22%20%5Cl%20%22talk%3A69066) **)** |
| 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%22%20%5Cl%20%22talk%3A69067) **)** |
| 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%22%20%5Cl%20%22talk%3A69068) **)** |
| 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%22%20%5Cl%20%22talk%3A69069) **)** |
| 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%22%20%5Cl%20%22talk%3A69070) **)** |
| 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%22%20%5Cl%20%22talk%3A69071) **)** |
| 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%22%20%5Cl%20%22talk%3A69072) **)** |
| 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%22%20%5Cl%20%22talk%3A69073) **)** |
| 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%22%20%5Cl%20%22talk%3A69074) **)** |
| 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%22%20%5Cl%20%22talk%3A69075) **)** |
| 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%22%20%5Cl%20%22talk%3A69076) **)** |
| 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%22%20%5Cl%20%22talk%3A69077) **)** |
| 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%22%20%5Cl%20%22talk%3A69078) **)** |
| 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%22%20%5Cl%20%22talk%3A69079) **)** |
| 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%22%20%5Cl%20%22talk%3A69080) **)** |
| 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%22%20%5Cl%20%22talk%3A69081) **)** |
| 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%22%20%5Cl%20%22talk%3A69082) **)** |
| 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%22%20%5Cl%20%22talk%3A69083) **)** |
| 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%22%20%5Cl%20%22talk%3A69084) **)** |

**09:30-09:45** Session Opening CerimonyLOCATION: Valley Wing Grand Ballroom A+B**09:45-10:45** Session 4Keynote I (TBD)LOCATION: Valley Wing Grand Ballroom A+B**10:45-11:45** Session 5SpineLOCATION: Valley Wing Grand Ballroom A+B

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| 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%22%20%5Cl%20%22talk%3A69017) **)** |
| 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%22%20%5Cl%20%22talk%3A69018) **)** |
| 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%22%20%5Cl%20%22talk%3A69036) **)** |
| 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%22%20%5Cl%20%22talk%3A69045) **)** |
| 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%22%20%5Cl%20%22talk%3A69049) **)** |
| 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%22%20%5Cl%20%22talk%3A69064) **)** |

**12:00-13:00** Session Satellite Event and LunchLOCATION: Valley Wing Grand Ballroom A+B**13:00-13:30** Session 6Poster Session (I)LOCATION: Exhibition Venue

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| 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%22%20%5Cl%20%22talk%3A69091) **)** |
| 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%22%20%5Cl%20%22talk%3A69092) **)** |
| 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%22%20%5Cl%20%22talk%3A69093) **)** |
| 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%22%20%5Cl%20%22talk%3A69094) **)** |
| 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%22%20%5Cl%20%22talk%3A69095) **)** |
| 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%22%20%5Cl%20%22talk%3A69097) **)** |
| 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%22%20%5Cl%20%22talk%3A69099) **)** |
| 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%22%20%5Cl%20%22talk%3A69100) **)** |
| 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%22%20%5Cl%20%22talk%3A69101) **)** |
| 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%22%20%5Cl%20%22talk%3A69102) **)** |

**13:30-14:30** Session 7Keynote Talk II (TBD)LOCATION: Valley Wing Grand Ballroom A+B**14:30-15:30** Session 8Biomechanics & ModellingLOCATION: Valley Wing Grand Ballroom A+B

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| 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%22%20%5Cl%20%22talk%3A69013) **)** |
| 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%22%20%5Cl%20%22talk%3A69019) **)** |
| 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%22%20%5Cl%20%22talk%3A69023) **)** |
| 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%22%20%5Cl%20%22talk%3A69041) **)** |
| 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%22%20%5Cl%20%22talk%3A69044) **)** |
| 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%22%20%5Cl%20%22talk%3A69057) **)** |

**15:30-16:00** Session Tea & CoffeeLOCATION: Hotel Garden**16:00-17:00** Session 9Panel Discussion on Computer Assisted Surgery (CAS) in Orthopaedic OncologyChairs: Professor Xiaohui Niu and Dr Kwok-chuen Wong16:00 - 16:05 Introduction of CAS in Orthopaedic Oncology; KC Wong16:05 - 16:15 Navigation in bone tumor surgery; Ashish Mahendra16:15 - 16:25 Navigated physical ablation in bone tumor surgery; Paul Jutte16:25 - 16:35 3D printing in Orthopaedic Oncology; Zheng Guo16:35 - 16:45 Data Technology in Orthopaedic Oncology: JST Hospital Experience; Xiaohui Niu16:45 - 17:00 Discussion; All speakersLOCATION: Valley Wing Grand Ballroom A+B**17:45-20:45** Session President DinnerLOCATION: Presidential Dinner VenueFriday, June 8thView 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 10Keynote Talk III (TBD)LOCATION: Valley Wing Grand Ballroom A+B**09:30-10:00** Session 11Knee Replacement (I)LOCATION: Valley Wing Grand Ballroom A+B

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| 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%22%20%5Cl%20%22talk%3A69025) **)** |
| 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%22%20%5Cl%20%22talk%3A69033) **)** |
| 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%22%20%5Cl%20%22talk%3A69052) **)** |

**10:00-10:30** Session Tea & CoffeeLOCATION: Hotel Garden**10:30-12:00** Session 12Knee Replacement (II)LOCATION: Valley Wing Grand Ballroom A+B

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| 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%22%20%5Cl%20%22talk%3A69011) **)** |
| 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%22%20%5Cl%20%22talk%3A69021) **)** |
| 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%22%20%5Cl%20%22talk%3A69024) **)** |
| 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%22%20%5Cl%20%22talk%3A69038) **)** |
| 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%22%20%5Cl%20%22talk%3A69053) **)** |
| 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%22%20%5Cl%20%22talk%3A69055) **)** |
| 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%22%20%5Cl%20%22talk%3A69060) **)** |
| 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%22%20%5Cl%20%22talk%3A69061) **)** |
| 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%22%20%5Cl%20%22talk%3A69062) **)** |

**12:00-13:00** Session Satellite Event and LunchLOCATION: Valley Wing Grand Ballroom A+B**13:00-13:30** Session 13Poster Session (II)LOCATION: Exhibition Venue

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| 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%22%20%5Cl%20%22talk%3A69085) **)** |
| 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%22%20%5Cl%20%22talk%3A69086) **)** |
| 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%22%20%5Cl%20%22talk%3A69087) **)** |
| 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%22%20%5Cl%20%22talk%3A69088) **)** |
| 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%22%20%5Cl%20%22talk%3A69089) **)** |
| 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%22%20%5Cl%20%22talk%3A69090) **)** |
| 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%22%20%5Cl%20%22talk%3A69096) **)** |
| 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%22%20%5Cl%20%22talk%3A69098) **)** |
| 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%22%20%5Cl%20%22talk%3A69103) **)** |
| 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%22%20%5Cl%20%22talk%3A69104) **)** |

**13:30-14:30** Session 14Keynote Talk IV (TBD)LOCATION: Valley Wing Grand Ballroom A+B**14:30-15:00** Session 15OncologyLOCATION: Valley Wing Grand Ballroom A+B

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| 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%22%20%5Cl%20%22talk%3A69028) **)** |
| 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%22%20%5Cl%20%22talk%3A69048) **)** |
| 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%22%20%5Cl%20%22talk%3A69058) **)** |

**15:00-15:30** Session Tea & CoffeeLOCATION: Hotel Garden**15:00-15:30** Session 16Advisory Board & Regional Representatives MeetingLOCATION: Valley Wing Pearl Room**15:30-17:00** Session 17Navigation SystemsLOCATION: Valley Wing Grand Ballroom A+B

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| 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%22%20%5Cl%20%22talk%3A69012) **)** |
| 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%22%20%5Cl%20%22talk%3A69014) **)** |
| 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%22%20%5Cl%20%22talk%3A69026) **)** |
| 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%22%20%5Cl%20%22talk%3A69027) **)** |
| 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%22%20%5Cl%20%22talk%3A69043) **)** |
| 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%22%20%5Cl%20%22talk%3A69050) **)** |
| 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%22%20%5Cl%20%22talk%3A69051) **)** |
| 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%22%20%5Cl%20%22talk%3A69054) **)** |
| 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%22%20%5Cl%20%22talk%3A69056) **)** |

**17:00-17:45** Session 18General AssemblyLOCATION: Valley Wing Grand Ballroom A+B**18:00-22:00** Session Gala DinnerLOCATION: Garden Wing BallroomSaturday, June 9thView 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 19HipLOCATION: Valley Wing Grand Ballroom A+B

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| 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%22%20%5Cl%20%22talk%3A69015) **)** |
| 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%22%20%5Cl%20%22talk%3A69022) **)** |
| 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%22%20%5Cl%20%22talk%3A69030) **)** |
| 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%22%20%5Cl%20%22talk%3A69031) **)** |
| 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%22%20%5Cl%20%22talk%3A69032) **)** |
| 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%22%20%5Cl%20%22talk%3A69039) **)** |
| 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%22%20%5Cl%20%22talk%3A69040) **)** |
| 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%22%20%5Cl%20%22talk%3A69042) **)** |
| 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%22%20%5Cl%20%22talk%3A69063) **)** |

**10:00-10:30** Session Tea & CoffeeLOCATION: Hotel Garden**10:30-12:00** Session 20New Technologies & ApproachesLOCATION: Valley Wing Grand Ballroom A+B

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| 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%22%20%5Cl%20%22talk%3A69016) **)** |
| 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%22%20%5Cl%20%22talk%3A69020) **)** |
| 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%22%20%5Cl%20%22talk%3A69029) **)** |
| 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%22%20%5Cl%20%22talk%3A69034) **)** |
| 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%22%20%5Cl%20%22talk%3A69035) **)** |
| 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%22%20%5Cl%20%22talk%3A69037) **)** |
| 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%22%20%5Cl%20%22talk%3A69046) **)** |
| 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%22%20%5Cl%20%22talk%3A69047) **)** |
| 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%22%20%5Cl%20%22talk%3A69059)**)** |

**12:00-12:30** Session Award & Closing CeremonyLOCATION: Valley Wing Grand Ballroom A+B**12:30-13:30** Session Lunch (TBD)**13:30-14:30** Session 21CAOS Scientific Committee MeetingLOCATION: Valley Wing Pearl Room[Disclaimer](disclaimer.html) | [Powered by EasyChair Smart Program](/smart_program.cgi) |    |