Successful Papers Announced

Please note that the presentation format (poster or talk) will be announced on 7th of June 2012.

Functional Outcomes Following Transoral Robotic Surgery For Obstructive Sleep Apnoea; Asit Arora*, Imperial College London; Bhik Kotecha, Amro Hassaan, Zaid Awad, James Budge, Ara Darzi, Neil Tolley

Eye-Tracking Vergence Response During Active-Stereo Display; Andrew Duchowski*, Clemson University; Brandon Pelfrey, Clemson University; Donald House, Clemson University; Rui Wang, Clemson University

The Impact Of Trainees On Surgical Outcomes Following Robotic Assisted Radical Prostatectomy(RARP); Lui-Shiong Lee*, Urology, Addenbrookes Hospital; Greg Shaw, David Neal, Nimish Shah

Laser Ablation System For Remained Brain Tumor Based On Protoporphyrin Fluorescence Spectrum; Takehiro Ando*, The University Of Tokyo; Junki Koike, Kousuke Mizumura, Etsuko Kobayashi, Hongen Liao, Takashi Maruyama, Yoshihiro Muragaki, Hiroshi Iseki, Ichiro Sakuma

Target Tracking In 3D Ultrasound Volumes By Direct Visual Servoing; Caroline Nadeau*, Inria Rennes; Alexandre Krupa, Pierre Dupont, Children’s Hospital Boston; Hongliang Ren

Short And Long Term Complications Of Robotic Abdominal Surgery In Children; Nicholas Gattas*, University Of Queensland; Naved Alizai, Paediatric Surgery, Cornelius Van Wyke, Jane Sellors, Simon Whiteley, Leeds Teaching Hospitals NHS Trust; Azad Najmaldin, St James University Hospital, Leeds

Robotic-Assisted Laparoscopic Pyeloplasty In Children: A Single Institution Learning Curve; Nicholas Gattas*, University Of Queensland; Simon Whiteley, Paediatric Anaesthetics, Leeds Teaching Hospitals NHS Trust; Azad Najmaldin, St James University Hospital, Leeds

Totally Endoscopic Robotic Parathyroidectomy Through A Lateral Cervical Approach; Sam Van Slycke*, OLV Clinic Aalst; Hendrik Maes, OLV Clinic Aalst Belgium; Hubert Vermeersch, Department Of Head And Neck Surgery University Hospital Ghent; Nele Brusselaers, University Ghent

Robotic Control Of A Traditional Flexible Endoscope; Jeroen Ruiter*, University Of Twente; Ivo Broeders, University Of Twente; Mascha Van Der Voort, Maarten Bonnema, University Of Twente

Intraoperative Analysis Of Locations For 3D Ultrasound-Guided Capture Of Foreign Bodies From A Beating Heart; Paul Thienphrapa*, Johns Hopkins University; Bharat Ramachandran, Philips Research North America; Haytham Elhawary, Philips Research North America; Aleksandra Popovic, Philips Research North America; Russ Taylor, Johns Hopkins University
Robotic NOTES: System Concept And Architecture; Kevin Cleary*, Children's National Medical

Navigated Endoscopy: Prototype System For Robotically Assisted Ureteroscopy; Kevin Cleary*, Children's National Medical

Development Of A Hybrid Haptic Actuator Using Part-Locking Programmable Brakes; Alex Skinner, Imperial College; Karl Hohenberg, Imperial College; Aaron Pereira, Imperial College; Stuart Bowyer, Imperial College; Ferdinando Rodriguez Y Baena*, Imperial College London; Yaroslav Tenzer, Harvard University

A Pilot Ex-Vivo Evaluation Of A Telerobotic System For Transurethral Intervention And Surveillance; Andrea Bajo, Vanderbilt University; Ryan Pickens, Vanderbilt University; Duke Herrell, Vanderbilt University; Nabil Simaan*, Vanderbilt University

Lessons Learned Using The Insertable Robotic Effector Platform (IREP) For Single Port Access Surgery; Nabil Simaan*, Vanderbilt University; Andrea Bajo, Vanderbilt University; Austin Reiter, Peter Allen, Dennis Fowler, Columbia University

Toward Intraoperative Image-Guided Transoral Robotic Surgery; Wen Liu*, Johns Hopkins University

Surgical Instrument Vibrations Are A Construct-Valid Measure Of Technical Skill In Robotic Peg Transfer And Suturing Tasks; Karlin Bark*, Ernest Gomez, Charlotte Rivera, University William Mcmahan, Austin Remington, Kenric Murayama, David Lee, Kristoffel Dumon, Noel Williams, Katherine Kuchenbecker, University Of Pennsylvania

Can Biometric Measures Predict Feasibility In Transoral Robotic Surgery (TORS)?; Asit Arora*, Imperial College London; Amish Acharya, Sam Khemani, Jalpa Kotecha, Ara Darzi, Bhik Kotecha, Neil Tolley

3D Remote Controllable Medical Magnetic Micro Robot; Masato Yasui*, Osaka University; Masashi Ikeuchi, The University Of Tokyo; Koji Ikuta, The University Of Tokyo

Active Stabilization Of Ultrasound Image For Robotically-Assisted Medical Procedures; Caroline Nadeau*, Inria Rennes; Alexandre Krupa, Inria Rennes; Pedro Moreira, Philippe Poignet, Nabil Zemiti, Jacques Gangloff

Clinical Study Of Prostate Tumour Identification Using A Rolling Indentor Robot; Jichun Li*, King's College London; Hongbin Liu, Ben Challacombe, Guys Hospital; Prokar Dasgupta, Lakmal Seneviratne, Kaspar Althoefer, King's College London

Initial Experience With Robotic Partial Nephrectomy (RPN): A Collaborative Approach Drawing On Different Backgrounds; Amit Patel*, Guy's And St Thomas' Hospital; Charlotte Oliver, GSTT; Michele Billia, GSTT; Gordon Kooiman, GSTT; Tim O'Brien, GSTT; Ben Challacombe, GSTT

Improved Visualisation With Shape Instantiation For Robot Assisted Catheter Navigation; Su-Lin Lee*, Ka-Wai Kwok, Celia Theodoreli-Riga, Colin Bicknell, Guang-Zhong Yang, Imperial College London

A Healthcare Mobile Robot With Natural Human-Robot Interaction; Jindong Liu, Javier Correa, Stephen Mckeaque, Edward Johns, Charence Wong*, Alexandre Vicente, Guang-Zhong Yang, Imperial College London

Fusion Of Visual And Inertial Measurements For 3D Tissue Reconstruction In Minimally Invasive Surgery; Stamatia Giannarou*, Zhiqiang Zhang, Guang-Zhong Yang, Imperial College London
Optimizing Oncological And Functional Outcomes With Robot Assisted Radical Prostatectomy (RALP) In Preoperatively High Risk Prostate Cancer Patients; Ananth Sivaraman*, Global Robotics Institute

New Evaluation Metrics Applied To Robotic Anastomosis; Abdelaziz Farhat, ; Mohammed Al-Haddad, ; Georges Younes, Qatar Robotic Surgery Centre; Tarek El-Ghazaly, ; Julien Abi-Nahed*, Qatar Robotic Surgery Centre; Abdulla Al-Ansari, ; George Turkiyyah, American University Of Beirut

Left Atrium Surface Flattening For Assisting Guidance In Catheter Ablation Procedures; Rashed Karim*, Ying-Liang Ma, Richard Housden, Aruna Arujuna , Kings College London , C.Aldo Rindaldi, Mark O'Neill, Guy's And St. Thomas’ Hospitals NHS Foundation Trust, London; Reza Rezavi,Tobias Schaeffter, Kawal Rhode, Kings College London

Vibrotactile Perception For Haptics In Virtual Reality Surgical Training; Thomas Martin, Matthew Oldfield, Christoph Schwinschakl, Ferdinando Rodriguez Y Baena*, Imperial College London

Investigation Of A CT Compatible Robot For Robot-Assisted Surgical Reductions Of Joint Fractures; Sanja Dogramadzi*, University Of Thewest Of Engla; Mohammad Sobhani, Andrew Hinitt, Daniel Raabe, Roger Atkins

Image-Guided Transoral Robotic Surgery For The Treatment Of Oropharyngeal Cancer; Philip Pratt*, Imperial College London; Eddie Edwards, Imperial College; Asit Arora, Neil Tolley, Ara Darzi, Guang-Zhong Yang, Imperial College London

A New Global Ratings Scale For Assessing Virtual Reality Arthroscopy Simulator Performance: Results Of A Pilot Study; Kash Akhtar*, Imperial College; Sofia Bayona, Universidad Rey Juan Carlos, Madrid; Alex Dodds, David Shier, Chinmay Gupte, Fernando Bello, Roger Emery, Justin Cobb, Imperial College London

Extending The Reach And Stability Of Manually Steerable Neuroendoscopes Through Robotics; Pierre Dupont *, Children's Hospital Boston; Szymon Chawarski, Evan Butler, Robert Hammond-Oakley, Sterling Point Research; Andrew Gosline, Patrick Codd, Tomer Anor, Joseph Madsen, Children's Hospital Boston; Jesse Lock, Sterling Point Research


A Snapshot Endoscopic Polarisation Imaging System; Neil Clancy*, Imperial College London; Daniel Elson, Imperial College London

An MRI Compatible Optical Multi-Axis Force/Torque Sensors Robotic Surgery; Ramon Sargeant*, King's College London; Kaspar Althoefer, Kings College London ; Hongbin Liu, King's College London

Air-Float Stiffness Probe For Tissue Abnormality Identification In Soft Tissue Palpation; Indika Wanninayake*, Kingston University London; Kaspar Althoefer, King's College London; Lakmal Seneviratne

Surgtrak: Synchronized Performance Data Capture For The Da Vinci Surgical Robot; Lee White*, Timothy Kowalewski, Blake Hannaford, University Of Washington; Thomas Lendvay, Seattle Children’s Hospital

From Bench To Bedside: The Novel Use Of 3D MRI For Image-Guided Robotic Prostatectomy; Daniel Cohen*, Ashwin Sridhar, Philip Pratt, Bijan Khoubehi, Justin Vale, Guang-Zhong Yang, Ara Darzi, Erik Mayer, Eddie Edwards, Imperial College
Quantitative Tissue Measurements In Transoral Robotic Surgery; Danail Stoyanov*, Philip Pratt, Imperial College London; Asit Arora, Eddie Edwards, Ara Darzi, Guang-Zhong Yang, Imperial College London; Neil Tolley

2-DOF MR-Compatible Cardiac Catheter Steering Mechanism; Asghar Ataollahi*, Ying-Liang Ma, Tobias Schaeffter, Kawal Rhode, Reza Rezavi, Lakmal Seneviratne, Kaspar Althoefer, King's College London

Bespoke Fixtures For Robotic Thyroidectomy; Asit Arora*, Imperial College London; Neil Tolley, Zaid Awad, Victor Luzzato, Jisoo Ahn, Farnaz Ostovari, Matthew Oldfield, Ferdinando Rodriguez Y Baena, Imperial College London

Closed-Loop Position Control Of An MRI-Powered Biopsy Robot; Panagiotis Vartholomeos*, Children's Hospital Boston; Pierre Dupont, Children's Hospital Boston; Lei Qin, Dana Farber Cancer Institute; Christos Bergeles, Childrens Hospital Boston

Preliminary Adhesion Control Of A Miniature Intra-Abdominal Robot For Laparoscopic Surgery; Alfonso Montellano Lopez*, Robert Richardson, Abbas Dehghani, Rupesh Roshan, David Jayne, Anne Neville, University Of Leeds

Minimally Invasive Surgical Skill Assessment By Video-Motion Analysis; Seung-Kook Jun, Madusudanan Sathia Narayanan*, University At Buffalo; Abeer Eddib, Kaleida Health System; Pankaj Singhal, Kaleida Health System; Sudha Garimella, University At Buffalo; Venkat Krovi, University At Buffalo

A Feasibility Study On The Use Of Concentric Tube Continuum Robots For Endonasal Skull Base Tumor Removal; Philip Swaney*, Hunter Gilbert, Jessica Weaver, Paul Russell III, Vanderbilt University Medical Center, Robert Webster III, Vanderbilt University

The Role Of Haptics In Robotics-Assisted Mitral Valve Annuloplasty; Maria Currie*, Ali Talasaz, Western University; Ana Luisa Trejos, C. Canadian Surgical Technologies & Advanced Robotics; Reiza Rayman, Michael Chu, London Health Sciences Centre; Rajni Patel, C. Canadian Surgical Technologies & Advanced Robotics; Terry Peters, E. Medical Imaging Laboratory, Robarts Research Institute; Bob Kiai, London Health Sciences Centre

Skill Assessment With Proximal Force Sensing For Endovascular Catheterisation; Hedyeh Rafii-Tari*, Hamlyn Centre; Christopher Payne; Celia Theodoreli-Riga, Colin Bicknell, Su-Lin Lee, Guang-Zhong Yang, Imperial College London

Raven II™: Open Platform For Surgical Robotics Research; H. Hawkeye King*, Lei Cheng, Diana Friedman, University Of Washington; Ji Ma, Daniel Glozman, Jacob Rosen, University Of California, Santa Cruz; Blake Hannaford, Sina Nia Kosari, Phillip Roan, University Of Washington

A Study Of Executive Control During Intracorporeal Minimally Invasive Suturing Using Functional Near Infrared Spectroscopy (Fnirs); Kunal Shetty*, Imperial College

Robotic Tele-Manipulating Devices For Laparoscopy Improve Surgical Performance In Simulated Porcine Laparoscopic Cholecystectomies On The ELITE Simulator When Compared To Surgical Assistants; Kumuthan Sriskindarajah*, Sonja Gillen, Aimee Di Marco, Mikael Sodergren, Imperial College London; David James, James Clark, Hubertus Feussner, Technical University Munich; Ara Darzi, Guang-Zhong Yang, Imperial College London