

MICCAI Challenge on Liver Ultrasound Tracking CLUST 2015

Friday, October 9th, 2015
Munich, Germany

PROGRAM

9:15	Start
9:15 – 9:30	Welcome and instructions for on-site challenge <i>V. De Luca, E. Harris, M. Lediju Bell, C. Tanner</i>
9:30 – 10:30	On-site Challenge
11:00 – 12:30	Chair: <i>Emma Harris, Institute of Cancer Research, London, UK</i> 10:30-11:00 Coffee Break
12:30 – 13:30	Lunch Break
14:00 – 14:10	Introduction
14:10 – 15:30	Oral Session 1* – 2D Tracking Chair: <i>Muyinatu A. Lediju Bell, Johns Hopkins University, USA</i>
	<p>14:10-14:30 Liver Ultrasound Tracking using a Learned Distance Metric <i>Daniel Nouri, Alex Rothberg</i> 4Catalyzer, Inc., Guilford CT 06437, USA</p> <p>14:30-14:50 Liver Ultrasound Tracking Using Kernelized Correlation Filter With Adaptive Window Size Selection <i>Satoshi Kondo</i> Konica Minolta Inc., Osaka, Japan</p> <p>14:50-15:10 Motion Tracking in 2D Ultrasound Using Vessel Models and Robust Optic-Flow <i>Maxim Makhinya, Orcun Goksel</i> Computer Vision Laboratory, ETH Zurich, Switzerland</p> <p>15:10-15:30 Robust Liver Ultrasound Tracking using Dense Distinctive Image Features <i>Andre Hallack¹, Bartlomiej W. Papiez¹, Amalia Cifor², Mark J. Gooding², Julia A. Schnabel³</i> ¹ Institute of Biomedical Engineering (Department of Engineering Science), University of Oxford, UK ² Mirada Medical, Oxford, UK ³ Division of Imaging Sciences & Biomedical Engineering, King's College London, UK</p>

15.30 – 16:00	Coffee Break
16:00 – 16.40	Oral Session 2* – 3D Tracking <i>Chair: Christine Tanner, ETH Zurich, Switzerland</i>
	<p>16:00-16:20 Tracking of Non-rigid Targets in 3D US Images: Results on CLUST 2015 <i>Lucas Royer^{1,2,3}, Guillaume Dardenne¹, Anthony Le Bras^{1,4}, Maud Marchal^{1,3}, Alexandre Krupa^{1,2}</i> ¹Institut de Recherche Technologique b-com, Rennes, France ²Inria Rennes - Bretagne Atlantique, France ³INSA de Rennes, France ⁴CHU de Rennes, France</p> <p>16:20-16:40 A combined tracking and registration approach for tracking anatomical landmarks in 4D ultrasound of the liver <i>Jyotirmoy Banerjee^{1,2}, Camiel Klink¹, Erwin Vast^{1,2}, Wiro J. Niessen^{1,2}, Adriaan Moelker¹ and Theo van Walsum^{1,2}</i> ¹Dept. of Radiology, Erasmus MC, Rotterdam, The Netherlands ²Dept. of Medical Informatics, Erasmus MC, Rotterdam, The Netherlands</p>
16:40 – 17:00	Overall Results and Conclusions <i>Valeria De Luca, ETH Zurich, Switzerland</i>
17:00 – 17:25	Discussion and Outlook <i>Chair: Emma Harris, Institute of Cancer Research, London UK</i>
17:25	End

*15 minute presentation and 5 minutes for questions