

Tuesday September 1st 2015

- 12.00 - 12.45: Get Together + lunch

- 12.45 - 13.00: yESAO opening + presentation program

- 13.00 - 14.00: Keynote speakers (Robotic Surgery)

- Nele FAMAIEY, Biomechanics KU Leuven

- Ben VAN CLEYNENBREUGHEL, Urology UZ Leuven



- 14.10 - 15.10: Poster session yESAO

- G. LIGUORI et al. Feasibility and strategy study for the construction and marketing of a low-cost bioprinter for developing countries. University of São Paulo, Brazil.

- T. VOLLMER et al. A novel, human, in vitro model to evaluate toxicity of uremic retention solutes (and drugs). Umea University, Sweden.

- G. CASAGRANDE et al. Evaluation of the reliability of different methods for the determination of the hydration status of haemodialysis patients. Politecnico di Milano, Italy

- A. POORKHALIL et al. Evaluation of an ultrafiltration process in a closed circuit with constant Hematocrit. RWTH University, Aachen, Germany + Research Center for New Technologies in Life Science Eng., University of Tehran, Iran.

- S. JANSEN et al. Update on ghost cells: On the way from an innovative idea to an applicable measurement technique. RWTH University, Aachen, Germany.

- 15.20 - 16.20: Oral presentations yESAO

- D. KIL et al. A novel neurotrophic electrode design based on slow growth factor release. ESAT-MICAS, KU Leuven, Belgium.

- D. TELYSHEV. Continuous Flow Total Artificial Heart. National Research University of Electronic Technology / Department of Biomedical Systems, Moscow, Russia.

- R. RAGUSA et al. Understanding the patho-physiology of HF: the multimarker approach. Scuola Superiore Sant'Anna, Pisa, Italy.

- L. BRANCATO et al. Assembly and testing of a wireless, battery powered epicardial accelerometer for contractility sensing. ESAT-MICAS, KU Leuven, Belgium.

- 18.30: Dinner

- 20.00: Cantus + Leuven by night

Wednesday September 2nd 2015

- 9.30 - 11.00: Innovation workshop

- 11.15 - 12.15: Oral presentations yESAO

- M. BOZZETTO et al. Computational model for surgical planning of hemodialysis vascular access: the AVF.SIM system. IRCCS – Istituto di Ricerche Farmacologiche "Mario Negri", Ranica (BG), Italy.

- T. WALSKI et al. The perspectives for application of the blood photobiomodulation during extracorporeal circulation. Wrocław University of Technology, Poland.

- A. MOLTENI et al. Increasing the value of CFD data through advanced qualitative animation and graphical quantitative techniques. Calon Cardio- Technology, Swansea, UK.

- J. VASTMANS et al. Mechanical characterization of a Personalized External Aortic Root Support (PEARS) for the Ross-procedure. Biomechanics Section, Mech. Engineering, KU Leuven, Belgium.

<https://kuleuvencongres.be/esao2015/registration>

- 12.30 - 13.00: Keynote speaker

(Medical Engineering in Aerospace)

- Carole LEGUY, German Aerospace Center Cologne

- 13.00 - 14.00: Lunch

- 14.00 - 17.30: Company visits

- 18.30 - 20.00: Opening Ceremony ESAO

- 20.00 - 21.00: Welcome reception ESAO