

Leonardo Automation Club

2ND SYMPOSIUM

Monday 6TH of September - Veneranda Biblioteca Ambrosiana, Piazza Pio XI, 2 - Milano

Laboratory animal and data collection technologies/trends

Registration	13:00
Opening and Introduction	14:15 - 14:30
<i>Gemma Perretta - Fondazione Guido Bernardini</i>	
From data collection to process tracking - Information Technology in Animal Facilities	14:30 - 15:15
<i>Stephan Hammelbacher - Gallei Software GmbH, Holzkirchen, Germany</i>	
Innovative cage change process in a murine genetics facility - Lean and green	15:15 - 16:00
<i>Rhonda Wiler - Genentech, Dixon, USA</i>	
Coffee Break	16:00 - 16:30
Laboratory animal data monitoring and collection for purposes of husbandry and scientific research: the view of a researcher	16:30 - 17:15
<i>Andrea Affuso - Biogem, Ariano Irpino, Italy</i>	
The use of technology and automation to integrate animal housing with biomedical research activities	17:15 - 17:45
<i>Eric Chan - CGC Capital, Houston, USA</i>	
The evolution of robotics and automation: overview of the most advanced solutions from the bottom of the Sea to the heights of the Space	17:45 - 18:15
<i>David Spangler - Oceaneering Space Systems, Houston, USA</i>	
Final discussion and closing remarks	18:15 - 18:30
Guided tour of the museum of Veneranda Biblioteca Ambrosiana	18:30 - 19:30
Cocktails e dinner	19:45 - 21:30
Bus back to the Hotel in Varese	21:45

Tuesday 7TH of September - FGB Conference Centre, via 1° Maggio, 6 - Buguggiate (VA)

Equipment advancements and building design

Bus transfer to the Fondazione Guido Bernardini Conference Center	08:45
A product concept for automated cage retrieval ZEUS system: background information, system overview and a financial analysis for return on investment	09:00 - 09:45
<i>Richard Shafer - Oceaneering Space Systems, Houston, USA / Massimo Aspesi - Fondazione Guido Bernardini</i>	
Developing a business case approach to automation in animal facilities	09:45 - 10:30
<i>Chris Cosgrove - Cosgrove FDS Inc, Bridgetown, Barbados</i>	
Coffee Break	10:30 - 11:00
The CUELA system, a quantitative methodology to assess musculoskeletal disorders resulting from repetitive operations. An update after over 1 year of extensive use and data collection and analysis	11:00 - 11:45
<i>Jorg Schmidt - Helmholtz Center for Environmental Health, Munich, Germany</i>	
Automated disassembly and processing of rodent cages and tops as part of an integral cage operational model: an update after one year of operation and a lesson learnt analysis	11:45 - 12:15
<i>Alberto Gobbi - European Institute of Oncology, Milan, Italy</i>	

How engineering solutions and technological advancements can significantly reduce LAA concentration and associated risks for staff and investigators	12:15 - 12:45
<i>Alberto Gobbi - European Institute of Oncology, Milan, Italy / Gianpaolo Milite - Fondazione Guido Bernardini</i>	
Lunch	12:45 - 14:00
Latest facility design trends and how advanced technologies and automation could impact your project: using practical case studies from the viewpoint of the architect and facility manager	14:00 - 14:45
<i>Mark A. Corey - Flad Architects, Madison, USA / Mark Watson - Genentech, San Francisco, USA</i>	
Automation - Luxury or Necessity? A critical review one year following the opening of a new build, purpose built, GA animal production facility	14:45 - 15:30
<i>Paul Haskings - CRUK Cambridge, UK</i>	
Coffee Break	15:30 - 16:00
Tritone, an automated feed dispenser technology for zebrafish facility. A practical experience and related feedbacks after one year of operation	16:00 - 16:45
<i>Massimo Santoro - University of Turin, Italy</i>	
Evolution of VISION technologies in robotic systems during the last 10 years. Where we started from and where we are heading with the aid of 3D capabilities and new enhancements	16:45 - 17:20
<i>Marco Ghirardello - Fanuc Robotics, Milan, Italy / Thomas Schneider - Fanuc Robotics Europe, Luxembourg</i>	
Spotlight on the future technologies ahead of us and the forthcoming developments such as humanoid robots and other gears	17:20 - 17:30
<i>Massimo Aspesi - Fondazione Guido Bernardini</i>	
Final discussion and closing remarks	17:30 - 17:45
Bus transfer back to the Hotel and free evening	18:00

Wednesday 8TH of September

Bus transfer to	08:45
Tour 1	
Tour of a medium size facility in Milan where cage disassembly automation has been installed over a year ago: overview, hands on demonstration and interactive discussion with users	
Tour 2	
Tour of a highly automated logistic warehouse facility south of Milan where flexibility, efficiency and quick return on investment are key drivers and fundamental elements of the current operation	
Tour 3	
Tour of an industrial facility north of Milan where multiple articulated robots have been installed and integrated together to achieve remarkable efficiency and quality enhancements in the process	
Lunch	13:00 - 14:30
Transfers back to the airports/hotels	14:30

Secretarial Support: Laura De Francesco

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