**Workshop**

Recent Advances in Robot Control

December 03-05, 2023

Speaker: **Ahmed CHEMORI** LIRMM, CNRS / University of Montpellier

**SCHEDULE**

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|  | **Sunday December 3, 2023**  Au niveau de la Salle de conférences MALEK BEN NABI  de la Faculté des Sciences de la Technologie Au Campus  AHMED HAMMANI |  |
| **8:50-9:00** | **Opening session** |  |
| **9:00 – 10:20** | **Lecture 1**  **Title:**Robotics today: From research to industry | Revolutionizing Manufacturing: How Robots Boost Productivity, Quality, and  Safety - The Robot Report |
| **10:20 – 10:40** | **Coffee break** | Résultat de recherche d'images pour "coffee break" |
| **10:40 – 12:00** | **Lecture 2**  **Title:** Advanced control of wearable rehabilitation exoskeletons |  |

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|  | **MondayDecember 4, 2023**  Au niveau de la Salle de conférences MALEK BEN NABI  de la Faculté des Sciences de la Technologie Au Campus  AHMED HAMMANI |  |
| **9:00 – 10:20** | **Lecture 3**  **Title:** Motion control of high-speed parallel kinematic manipulators for industrial applications |  |
| **10:20 – 10:40** | **Coffee break** | Résultat de recherche d'images pour "coffee break" |
| **10:40 – 12:00** | **Lecture 4**  **Title:** Motion control of underwater robots for inspection applications |  |

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|  | **Tuesday December 5, 2023**  Au niveau de la Salle de conférences MALEK BEN NABI  de la Faculté des Sciences de la Technologie Au Campus  AHMED HAMMANI |  |
| **9:00 – 10:20** | **Lecture 5**  **Title:** On walking gait control: From human to humanoid robots | The HOAP-3 humanoid robot used as demonstrator for real-time experiments. |  Download Scientific Diagram |
| **10:20 – 10:40** | **Coffee break** | Résultat de recherche d'images pour "coffee break" |
| **10:40 – 12:00** | **Lecture 6**  **Title:** Advanced control of underactuated robotic systems |  |

**SPEAKER**

**Short Biography:** Ahmed Chemori received his M.Sc. and Ph.D. degrees, both in automatic control from Polytechnic Institute of Grenoble, France, in 2001 and 2005 respectively. During the year 2004/2005 he has been a Research and Teaching assistant at Laboratoire de Signaux et Systèmes (LSS - CentraleSupelec) and University Paris 11. Then he joined Gipsa-Lab (Former LAG) as a CNRS postdoctoral researcher. He is currently a tenured research scientist in Automatic control and Robotics for the French National Center for Scientific Research (CNRS), at the Montpellier Laboratory of Computer Science, Robotics and Microelectronics (LIRMM). His research interests include nonlinear (robust, adaptive, and predictive) control and their application in robotics (underactuated, parallel, underwater, humanoid and wearable robots). He is the author of about 160 scientific publications, including international journals, patents, book chapters and international conferences. He served as a TPC/IPC member or associate editor for different international conferences and he organized different scientific events.