STASSE Olivier (ORCID: 0000-0001-8569-6155)

Nationality: French, web site:https://homepages.laas.fr/ostasse/

- **CURRENT POSITION**

  Directeur de Recherche, CNRS, LAAS, Toulouse, France.

- **EDUCATION**

2013	HDR, Université Paul Sabatier, Toulouse, France
2000	PhD, Univ. Paris 6, France
1996	MsC (Operational Research):Univ. Paris 6, France

- **INTERNATIONAL RECOGNITION (honors, prizes)**
  - The H2020 Memory of Motion European project coordinated by Nicolas Mansard and in which I participated received the Etoile de l'Europe award in Dec. 2022 and was selected as the Success Story during ERF 2023.
  - Exceptional reviewer in 2012 for the IEEE Transactions on Robotics.
  - Together with Bjorn Verrelst we won the best paper Award at ICMA 2006 for stepping over large obstacle with the humanoid robot HRP-2.
  - The scientific project R-Blink I coordinated was nominated for the 2013 Digital Technlogical ANR Awards.
  - Along with Francois Saidi I was finalist for best paper award ICAR 2007 for visual search with HRP-2.
  - Together with Andrew Davison, Nicolas Mansard and other colleagues I was finalist for best video award ICRA 2007
- **SUPERVISION:** 17 PhD students (2 on-going), 4 post-Docs.
- **SCIENTIFIC PRODUCTION:** https://scholar.google.com/citations?user=JSESzk4AAAAJ&hl=en
- **5 MOST RELEVANT PAPERS (10 last years), Google Scholar Id: JSESzk4AAAAJ, h index: 35**
  1. The Pinocchio C++ library: A fast and flexible implementation of rigid body dynamics algorithms and their analytical derivatives J. Carpentier, G. Saurel, G. Buondonno, J. Mirabel, F. Lamiraux, O. Stasse, N. Mansard 2019 IEEE/SICE International Symposium on System Integration (SII), 614-619, https://hal.laas.fr/hal-01866228/document h-index: 243
  2. Whole-body model-predictive control applied to the HRP-2 humanoid, J. Koenemann, A. Del Prete, Y. Tassa, E. Todorov, O. Stasse, M. Bennewitz, N. Mansard, 2015 IEEE/RSJ International Conference on Intelligent Robots and Systems, https://hal.science/hal-01137021/document h-index: 233
  3. A versatile and efficient pattern generator for generalized legged locomotion, J. Carpentier, S. Tonneau, M. Naveau, O. Stasse, N. Mansard, 2016 IEEE International Conference on Robotics and Automation (ICRA), 3555-3561 https://hal.science/hal-01203507/document h-index: 165
  4. TALOS: A new humanoid research platform targeted for industrial applications, O. Stasse, T. Flayols, R. Budhiraja, K. Giraud-Esclasse, J. Carpentier, J. Mirabel, A. Del Prete, P. Souères, N. Mansard, F. Lamiraux, J-P Laumond, L. Marchionni, H. Tome, F. Ferro, 2017 IEEE-RAS 17th International Conference on Humanoid Robotics https://hal.science/hal-01485519/file/ichr-talos.pdf h-index: 143
  5. Using a memory of motion to efficiently warm-start a nonlinear predictive controller, N. Mansard, A. Del Prete, M. Geisert, S. Tonneau, O. Stasse, 2018 IEEE International Conference on Robotics and Automation (ICRA), 2986-2993 https://hal.science/hal-01591373/document h-index: 71
- **EDITORIAL ACTIVITIES**
  - Since 2019, Associate Editor of the IEEE Transactions on Robotics (https://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=8860), 2015-2017 Associate Editor of the IEEE RA-L
  - Since 2000, Member of the IEEE Technical Committee on Humanoids Robotics, Model-Based Optimization for Robotics
- **ACADEMIC RESPONSABILITIES:**
  - PIA 3 – Project TIRREX: Head of the humanoid robot axis (1.3 M euros)
  - Head of the Gepetto Group, LAAS, CNRS (8 PIs) since 2019
  - Head of the Joint Lab ROB4FAM between Airbus Operations and LAAS, Gepetto.
- **COLLABORATIONS:** Technological University of Munich, Institute for Cognitive Systems, Pr. Gordon Cheng. PAL-Robotics Luca Marchionni, Francesco Ferro, Barcelona Spain. Pr. Maurice Fallon, Univ. of Oxford. Pr. Kensuke Harada , Univ. of Osaka, Japan, Pr. Eiichi Yoshida, Tokyo University of Science, Japan. Daniele Pucci, Italian Institute of Technology, Italy. Pr. Ludovic Righetti, New York University United States.
- **TEACHING ACTIVITIES (current or planned)**: Introduction to ROS (INSA,ISAE, UPS) and companies (Total Energies, CNES, Airbus)