



Antoine MORICE

42 years old

+33 (0)6-32-89-92-77

✉ antoine.morice@univ-amu.fr

🏠 <https://antoine-morice.pedaweb.univ-amu.fr/>

🌐 [linkedin.com/in/antoinehpmorice/](https://www.linkedin.com/in/antoinehpmorice/)

🎓 [antoinehpmorice](https://www.antoinehpmorice.com/)

🐦 twitter.com/AntoineHPMORICE

EDUCATION

Doctor of Philosophy <i>Motricity and Human Movement</i>	2003 – 2006
UPRES EA 4042 "Motor Control and Perception" - University of Paris-Sud	Orsay, France
Diploma of Advanced Studies <i>Sports Science and Motor Skills and Human Movement</i>	2002 – 2003
Doctoral School 456, Sports Science and Motor Skills and Human Movement	Orsay, France
Master of Science <i>Science and Technology of Physical and Sports Activities (STAPS)</i>	2001 – 2002
UFR STAPS, Artois University	Liévin, France

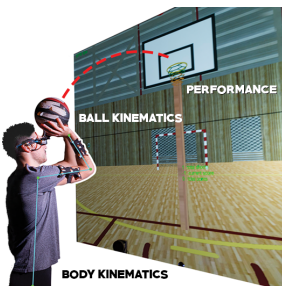
PROFESSIONAL ACTIVITIES

Assistant Professor of Sport Sciences	2008 – current
Faculty of Sport Sciences, Aix-Marseille University (AMU)	Marseille, France
Biorobotic team, UMR 7287 EJM Institute of Movement Sciences, CNRS & AMU	
Teaching and Research Assistant (ATER)	2007 – 2008
Faculty of Sport Sciences, Aix-Marseille University	Marseille, France
UMR 7287 E-J Marey Institute of Movement Sciences, CNRS & Aix-Marseille University	
Teaching and Research Assistant (ATER)	2006 – 2007
Sport & Physical Activities Sciences Department of UFR STAPS, Paris South XI University	Orsay, France
UPRES EA 4042 Motor Control and Perception, Paris South XI University	

RESEARCH TOPIC & HIGHLIGHTS

Specialities | *Direct perception, Affordances, Ecological Interface Design, Human Factors, Ergonomics*

Application fields | *Driving, Aeronautics, Motorbiking, Sport*



Virtual Reality Simulator validation and Information pick-up in sport (in *Scandinavian Journal of Medicine & Science in Sports*)



Ecological Interface Design for helicopter decking (in *Scientific Report*)



Coping with acceleration and brake limits while crossing intersection (in *Frontiers in Human Neurosciences*)

SCIENTIFIC & TECHNICAL SKILLS

Information manipulation | *Visual psychophysics, Visual decorrelation/occlusion, Tactile vision substitution*

Technical tools | *Virtual reality, Augmented virtuality, indoor/outdoor Mixed reality, Motion capture*

Programming | *MATLAB/Simulink, C#*

Specilized softwares | *Blender/3DsMax/Motion Builder, Unity 3D*

GENERAL SUPERVISION

Ph.D | 2× 1 year post-doc, 5× Ph.D students

Master's degree in Sport Sciences | 11× master degree, 15× 1st year of master's degree

Bachelor's degree in Sport Sciences | 15× 3rd year, 10× 2nd year

Other | 5× engineering students

PHD & POST-DOCTORATE SUPERVISION

Ph.D co-supervision (50 %) with Stephane VIOLETT (50%, HDR) Emilie DUBUISSON	2020-current
<i>Behavioral benefits of Ecological Interface Design for assisting turns while driving</i>	funds: AMU In prep.
Ph.D co-supervision (50 %) with Franck RUFFIER (50%, HDR) Mathieu THOMAS	2018-2023
<i>Visualizing affordances: the key to helicopter ship landing?</i>	funds: DGA-ONERA 60 months
Post-doctorate Supervision (100 %) Pooya SOLTANI	2018-2019
<i>Kinematics analysis of basketball throwing in virtual reality</i>	funds: PAUSE program – Collège de France 12 months
Post-doctorate Supervision (100 %) Pooya SOLTANI	2017-2018
<i>Modelization of basketball throwing when facing to avatar in virtual reality</i>	funds: Institut Carnot STAR 12 months
Ph.D co-supervision (50 %) with Gilles MONTAGNE (50%, HDR) Geoffrey MARTI	2011-2015
<i>The role of multiple affordances in driver decision-making and action regulation when crossing intersection</i>	funds: AMU 43 months
Ph.D co-supervision (50 %) with Gilles MONTAGNE (50%, HDR) Numa BASILIO	2010-2015
<i>Decision-making and possibilities for action: affordance theory put to the test in car driving</i>	funds: AMU 57 months
Ph.D co-supervision (50 %) with Gilles MONTAGNE (50%, HDR) Matthieu François	2008-2010
<i>The application limits of a perceptual-motor control principle</i>	funds: BDI -CNRS 51 months

PUBLICATIONS SYNTHESIS

- 20 International Scientific Indexing articles
- 20 talks (13 int. & 7 nat. conferences)
- 3 symposiums (3 int. conferences)
- 30 posters (18 int. & 12 nat. conferences)
- 2 industrial reports (29 863€)

SELECTED PUBLICATIONS (PEER-REVIEWED)

1. Thomas, M., Serres, J.R., Rakotomamonjy, T., Ruffier, F. and **Morice, A.H.P.** (2023) Visual augmentation of deck-landing-ability improves helicopter ship landing decisions, *Scientific Reports* 13, 5119, <https://doi.org/10.1038/s41598-022-26770-2> (IF-2023 : 4.997)
2. Serres Julien R., **Morice, A.H.P.**, Blary Constance, Miot Romain, Montagne Gilles and Ruffier Franck (2022), Floor and ceiling mirror configurations to study altitude control in honeybees. *Biology Letters*, 18(3), 182021053420210534, <https://doi.org/10.1098/rsbl.2021.0534> (IF-2023 : 3.904)
3. **Morice, A.H.P.**, Rakotomamonjy, T., J.M., Serres, J.R., and Ruffier, F. (2021) Ecological design of augmentation improves helicopter ship landing maneuvers: an approach in augmented virtuality, *Plos One* 16(8): e0255779. <https://doi.org/10.1371/journal.pone.0255779> (IF-2020 : 2.74)
4. Thomas, M., José M. Pereira Figueira, J.M., Serres, J.R., Rakotomamonjy, T., Ruffier, F. and **Morice, A.H.P.** (2021) Helicopter Pilots Synchronize Their Altitude with Ship Heave to Minimize Energy When Landing on a Ship ' s Deck, *The International Journal of Aerospace Psychology*, 31:2, 135-148, <https://doi.org/10.1080/24721840.2020.1862659> (IF-2019 : 1.111)
5. Jacobs, D. M., **Morice, A.H.P.**, Camachon, C., Montagne, G. (2018) Eye position affects flight altitude in visual approach to landing independent of level of expertise of pilot, *Plos One*, 13(5): e0197585. <https://doi.org/10.1371/journal.pone.0197585>(IF-2019 : 2.776)

Last update: March 15th, 2024