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Publicatii (h-index = 26)

Articole in jurnale cu referenti

1. Chevalier, P., Martin, J.-C., Bazile, C., Isableu, B., Tapus, A. (2016) " Joint Attention in Human-Robot Interaction: Impact of Sensory Preferences of Individuals with Autism", International Journal on Social Robotics (IJSR) (under review)
2. Aly, A., and **Tapus, A.** (2016) "Multimodal Adapted Robot's Behavior Synthesis within a Narrative Human-Robot Interaction", IEEE Transactions on Robotics (under review)
3. Rossi, S., Ferland, F., Tapus, A. (2017) "User Profiling and Behavioral Adaptation for HRI: a Survey", Pattern Recognition Letters (under review)
4. Chevalier, P., Martin, J.-C., Bazile, C., Isableu, B., **Tapus, A.** (2016), "Exploratory Study for Customized Human-Machine Interaction for People Suffering of ASD", In Autonomous Robots, Special Issue on Assistive and Rehabilitation Robotics, May 2016 (impact factor: 2.07)
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136. **Tapus, A.** (2006) "From Human-like Robot Navigation to Human-Robot Interaction", In *Cognitive Robots and Systems Workshop, Proceedings of the IEEE International Conference on Robotics and Automation (ICRA)*, Orlando, Florida, U.S.A., May 2006.

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137. **Tapus, A.** (2011) "Towards Personalized Human-Robot Interaction" *HDR Dissertation (Habilitation a Diriger des Recherches)*, Computer Science Department, Pierre and Marie Curie University (UPMC), Paris, France, July 2011.
138. **Tapus, A.** (2005) "Topological SLAM - Simultaneous Localization and Mapping with Fingerprints of Places" *PhD Dissertation*, Computer Science and Systems Engineering Department, Swiss Federal Institute of Technology Lausanne (EPFL), Switzerland, October 2005.
139. **Tapus, A.** (2002) "Markov Decision Processes Use for Mobile Robot Actions Planning and Execution." *Masters Degree Report in Computer Science*, Joseph Fourier University, Grenoble, France.

Granturi si contracte de cercetare

- CHIST-ERA grant "Orchestration of adaptive mobile machines learning from complex environments (LEARNet)", Spain, ENSTA ParisTech (France), Poland, Austria, and Romania, submitted 17/01/2016 (under review 2017)
- FUI grant "Projet Intelligence Robotique pour le Monitoring et l'Informatisation des Soins (IRMIS)", PI: Extia, Co-PI: Robosoft, Medysys, Centre Hospitalier de Troye, A. Tapus (ENSTA- ParisTech) (under review 2017)
- Project " Physiological state, deception and trust detection in HRI by using a mixture of Thermal and RGB-D cameras" (2016), PI: Prof. Adriana Tapus (ENSTA), student thesis: David Octavian IACOB, total € 109 000
- Digiteo Project "Haptic Emotional Robot Experiments with Sensitive Body" (HEROES) (2015), PI: Prof. Adriana Tapus (ENSTA), Prof. Mehdi Ammi (LIMSI, Paris XI) and Dr. Moustapha Hafez (CEA), total € 109 000
- Digiteo Project Conférence "International Conference on Social Robotics" (2015), PI: Prof. Adriana Tapus (ENSTA) and Prof. Jean-Claude Martin (LIMSI, Paris XI), total € 5000
- DGA Fellowship "Conception de Briques Génériques Logicielles et Patrons d'Architectures pour les Applications Critiques intégrant des processus d'Autonomie Décisionnelle", PI : Prof. Bruno Monsuez (ENSTA) and Prof. Adriana Tapus (ENSTA), total € 109 000
- EU Horizon2020 "ENRICHME: Enabling Robot and assisted living environment for Independent Care and Health Monitoring of the Elderly", PI: Roberto Rosso (TESAN), PI: A. Tapus (ENSTA-ParisTech), PI: N. Bellotto (UoL), PI: P. Baratinni (KONTOR), PI: V. Dupourque (Robosoft), PI: A. van Berlo (STICHTING SMART HOMES), PI: V. Gower (FONDAZIONE DON CARLO GNOCCHI ONLUS), PI: K. Wieczorowska-Tobis (PUMS), PI. D. Wieczorek (OPS), PI: P. Hobson (Lace Housing), PI: C. Prouskas (Aktios), total € 3 991 940. Jan 2015 – Jan 2018. PSPC for "ROMEO 2", PI: D. Filliat (ENSTA-ParisTech), co-PI: A. Tapus, total € 509 309. Sept 2012 – Sept 2015.
- Region IdF Project HANDICAP " Proprioceptive, Kinematic, Socially and Individualized Human-Machine Interaction" (HEROES) PI: Prof. Adriana Tapus (ENSTA), Prof. Brice Isableu (LIMSI, Paris XI) and Prof. Jean-Claude martin (LIMSI, Paris XI) total € 109 000
- PSPC for "ROMEO 2", PI: D. Filliat (ENSTA-ParisTech), co-PI: **A. Tapus**, total € 237 309. Sept 2012 – Sept 2015.
- ANR-Chaires d'Excellence (Excellent Researchers) for "HRIAA - Human-Robot Interaction for Assistive Applications", PI: **A. Tapus** (ENSTA-ParisTech), total € 484 200 €. Dec 2009 – Dec 2013.

- ANR-Carotte grant for “PACOM: Panoramic and Active Cameras for Semantic Object Mapping”, PI: D. Filliat (ENSTA-ParisTech), co-PIs: **A. Tapus** (ENSTA-ParisTech), R. Benosman (UPMC), J.-C. Mammana (Gostai), total € 349 709. Sept 2009 – Sept 2012.
 - UPMC grant for “Intelligent Systems for Multi-perceptual Stimulation for Children with Developmental Disorders – MULTI-STIM”, PI: M. Chetouani (UPMC), co-PIs: **A. Tapus** (ENSTA-ParisTech), D. Cohen (UPMC), J. Xavier (GH Pitié-Salpêtrière), M. Plaza (GH Pitié-Salpêtrière), L. Chaby (Pierre Descartes University), total € 150,000. Mar 2010 – Mar 2011.
 - ANR-TecSan (Program for Technology for Health and Autonomy) grant for “ROBADOM: Impact of a robot “butler” at home on psychological and cognitive state of the elderly with mid cognitive impairment”, PI: Anne-Sophie RIGAUD (BROCA Hospital), co-PIs: **A. Tapus** (ENSTA-ParisTech), M. Chatouani (UPMC), D. Duhaut (Université de Bretagne Sud), V. Dupourque (Robosoft), total € 736,316. Sept 2009 – Sept 2011.
 - NSF Workshop Travel grant for “HRI Pioneers Workshop 2008”, PI: J. Burke, co-PI: **A. Tapus**, total \$30,448, Jan 2008 – Jan 2009.
 - Netherlands Organisation for Scientific Research (NWO) Travel grant for “HRI Pioneers Workshop 2008”, PI: **A. Tapus**, co-PI: M. Neerincx, total €5,000, Jan 2008.
 - Institutional Review Board (IRB) Proposal for “Assessing Socially Assistive Robotics as Social and Cognitive Aides for the Elderly”, PI: M. J. Matarić, co-PI: **A. Tapus** and M. Gatz, Oct 2007 – Oct 2010
 - NIH Aging and Disability Resource Center grant for “Assessing Socially Assistive Robotics as Social and Cognitive Aides for the Elderly”, PI: M. J. Matarić, key personnel: **A. Tapus**, total \$80,000, Jun 2007- Jun 2008.
 - NSF Human-Robot Interaction Program grant for “Personalized Assistive Human-Robot Interaction: Validation in Socially-Assisted Post Stroke Rehabilitation”, PI: M. J. Matarić, co-PI: C. Winstein, key personnel: **A. Tapus**, total \$450,000, Sept 2007- Aug 2010.
 - Institutional Review Board (IRB) Proposal for “Hands-Off Robot Therapist for Post-Stroke Rehabilitation” (HS-06-00628), PI: C. Winstein, co-PI: **A. Tapus** and M. J. Matarić, Jun 2007 – Jun 2010.
 - EU grant for “Bayesian Inspired Brain and Artefacts (BIBA)” (IST-2001-32115), PI: Pierre Bessiere, co-PI EPFL: Roland Siegwart, key personnel EPFL: **A. Tapus** and G. Ramel, total €1,640,000, Nov 2001 – Nov 2005.
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