



Roxana Agrigoroaie

Curriculum Vitae

"A witty and playful quotation" - John Smith

Education

PhD

Years 2015 - Present

Title *Learning and Behavior Adaptation for a Natural Interaction Designed for the Elderly*

Supervisors Professor Adriana Tapus

University Université Paris-Saclay - École Doctorale Interfaces, Palaiseau, France

Masters Thesis

Years 2013 - 2015

Title *Detection of Affect Bursts*

Supervisors Professor Adriana Tapus and Professor Dragoş Burileanu

University 'Politehnica' University of Bucharest, Romania

Bachelors Thesis

Years 2009 - 2013

Title *Internal States Detection Based on Human Facial Expressions*

Supervisors Professor Adriana Tapus and Constantin Vizitiu

University Military Technical Academy, Bucharest, Romania

Experience

Vocational

2015–Present **Ingenieur de Recherche CFP**, ARMINES/ENSTA-PARISTECH, Paris, France.
PhD studies

2013–2015 **Specialist Officer**, MILITARY TECHNICAL ACADEMY, Bucharest, Romania.
Activities involved supervising laboratory projects

828 Boulevard des Marechaux – Palaiseau, France, 91120

✉ roxana.agrigoroaie@ensta-paristech.fr

📁 perso.ensta-paristech.fr/~agrigoroaie •

Teaching

- 2016–2017 **MO101 - Premiers outils logiciels**, *ENSTA-ParisTech*, Palaiseau, France, Number of classes - 3.
2017–2018 Intervention language: English
- 2018–2019 **MO101 - Stage d'informatique pour l'ingénieur**, *ENSTA-ParisTech*, Palaiseau, France, Number of classes - 4.
2018–2019 Intervention language: English
- 2016–2017 **IN101 - Algorithmique et Programmation (en Python)**, *ENSTA-ParisTech*, Palaiseau, France, Number of classes - 8.
2017–2018
2018–2019 Intervention language: English
- 2016–2017 **IN104 - Projet Informatique**, *ENSTA-ParisTech*, Palaiseau, France, Number of classes - 6.
2017–2018 Intervention language: English
- 2017–2018 **ROB311 - Apprentissage pour la robotique**, *ENSTA-ParisTech*, Palaiseau, France, Number of classes - 8.
2017–2018 Intervention language: English

Mobilities and Summer Schools

- 4-15/05/2015 **Erasmus Staff**, *École Nationale Supérieure de Techniques Avancées (ENSTA-ParisTech)*, Palaiseau, France, Title of project: Affect bursts detection.
- 1-28/09/2014 **Masters thesis internship**, *École Nationale Supérieure de Techniques Avancées (ENSTA-ParisTech)*, Palaiseau, France, Title of project: Affect bursts detection.
- 4/02-15/05/2013 **Erasmus scholarship**, *École Nationale Supérieure de Techniques Avancées (ENSTA-ParisTech)*, Palaiseau, France, Title of project: Internal States Detection Based on Human Facial Expressions.
- 11/03-11/06/2012 **Erasmus scholarship**, *Universitat Politècnica de Catalunya (UPC-BarcelonaTech)*, Barcelona, Spain, Title of project: Imprementation of Blockwise Transfer in CoAP.

Volunteer

- 09/2017 **8th European Conference on Mobile Robotics (ECMR - 2017)**, *Paris, France*.
- 03/2017 **12th International Conference on Human-Robot Interaction (HRI - 2017)**, *Vienna, Austria*.
- 03/2016 **11th International Conference on Human-Robot Interaction (HRI - 2016)**, *Christchurch, New Zealand*.
- 10/2015 **7th International Conference on Social Robotics (ICSR - 2015)**, *Paris, France*.

Service

Reviewer for Professional Journals

- 2018 **International Journal of Social Robotics**, Papers reviewed: 11.
- 2017–2018 **ACM Transactions on Human-Robot Interaction**, Papers reviewed: 3.
- 2016–2018 **Cognitive Systems Research**, Papers reviewed: 2.
- 2018 **IEEE Robotics and Automation Letters**, Papers reviewed: 1.
- 2018 **IEEE Robotics and Automation Magazine**, Papers reviewed: 3.
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Reviewer for International Conferences

- 2016–2018 **IEEE International Conference on Robot and Human Interactive Communication (RO-MAN)**, *Papers reviewed: 7.*
- 2017–2018 **IEEE/RSJ International Conference on Intelligent Robots (IROS)**, *Papers reviewed: 5.*
- 2017–2018 **ACM/IEEE International Conference on Human-Robot Interaction (HRI)**, *Papers reviewed: 6.*
- 2016–2018 **International Conference on Social Robotics (ICSR)**, *Papers reviewed: 6.*
- 2018 **Advanced Concepts for Intelligent Vision Systems (ACIVS)**, *Papers reviewed: 1.*
- 2018 **ACM International Conference on Multimodal Interaction (ICMI)**, *Papers reviewed: 5.*

Reviewer for International Workshops

- 2018 **IEEE Workshop on Advance Robotics and its Social Impact (ARSO)**, *Papers reviewed: 1.*

Computer skills

Basic GIMP

Intermediate Javascript, HTML, OpenOffice, Linux, ROS, R

Advanced PYTHON, \LaTeX

Communication Skills

2016 Poster Presentation at Journee de Rentree INTERFACES

2016 Oral Presentation at Journee de Rentree INTERFACES

Languages

Romanian **Mothertongue**

English **Advanced**

French **Intermediate**

Hungarian **Intermediate**

German **Basic**

Basic words and phrases only

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Publications

Refereed Book Chapters

- [1] FERLAND, François ; AGRIGOROAIE, Roxana ; TAPUS, Adriana: Assistive Humanoid Robots for the Elderly with Mild Cognitive Impairment. In: *Humanoid Robotics: A Reference*, 2018, S. 1–20

Refereed Conference Papers

- [1] AGRIGOROAIE, Roxana ; TAPUS, Adriana: Physiological differences depending on task performed in a 5-day interaction scenario designed for the elderly: A Pilot Study. In: *Accepted for ICSR2018*, 2018
- [2] AGRIGOROAIE, Roxana ; CRUZ-MAYA, Arturo ; TAPUS, Adriana: Oh! I am so sorry!: Understanding User Physiological Variation while Spoiling a Game Task. In: *IROS2018*, 2018
- [3] AGRIGOROAIE, Roxana ; TAPUS, Adriana: Physiological Parameters Variation Based on the Sensory Stimuli used by a Robot in a News Reading Task. In: *RO-MAN2018*, 2018
- [4] AGRIGOROAIE, Roxana ; TAPUS, Adriana: The Outcome of a Week of Intensive Cognitive Stimulation in an Elderly Care Setup: A Pilot Test. In: *Accepted In Proceedings of RO-MAN2018, Special Session: Assistive Robotics for Elderly Care*, 2018
- [5] AGRIGOROAIE, Roxana ; TAPUS, Adriana: Influence of Robot's Interaction Style on Performance in a Stroop Task. In: *International Conference on Social Robotics*, 2017
- [6] AGRIGOROAIE, Roxana ; CIOCIRLAN, Stefan D. ; TAPUS, Adriana: News Application Adaptation Based on User Sensory Profile. In: *International Conference on Social Robotics*, 2017
- [7] CRUZ-MAYA, Arturo ; AGRIGOROAIE, Roxana ; TAPUS, Adriana: Improving User's Performance by Motivation: Matching Robot Interaction Strategy with User's Regulatory State. In: *International Conference on Social Robotics*, 2017
- [8] AGRIGOROAIE, Roxana ; TAPUS, Adriana: Contactless Physiological Data Analysis for User Quality of Life Improving by Using a Humanoid Social Robot. In: *Image Analysis and Processing - ICIAP 2017*, 2017, S. 696–706
- [9] AGRIGOROAIE, Roxana ; FERLAND, François ; TAPUS, Adriana: The enrichme project: Lessons learnt from a first interaction with the elderly. In: *International Conference on Social Robotics Springer*, 2016, S. 735–745
- [10] TUTA, Leontin ; LEXUTAN, Roxana ; MORARU, Catalin: Time-frequency domain radar cross-section analysis of some simple objects and shapes. In: *2014 10th International Conference on Communications (COMM)*, 2014, S. 1–5

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Refereed Workshop and Symposia Papers

- [1] AGRIGOROAIE, Roxana ; TAPUS, Adriana: The Influence of Empathy, Mood, and Self Control in a Human Robot Interaction Scenario. In: *Journee - Robotique et I.A.*, 2018
- [2] AGRIGOROAIE, Roxana ; TAPUS, Adriana: Understanding how physiological data can help a humanoid robot adapt to the needs of elderly with mild cognitive impairment. In: *Handiversite2018*, 2018
- [3] AGRIGOROAIE, Roxana ; TAPUS, Adriana: Defining the User Profile for the Behavior Adaptation of a Robot. In: *Journee Fedev 2017*, 2017
- [4] AGRIGOROAIE, Roxana M. ; TAPUS, Adriana: Developing a healthcare robot with personalized behaviors and social skills for the elderly. In: *Human-Robot Interaction (HRI) - Pioneers Workshop, 2016 11th ACM/IEEE International Conference on*, 2016, S. 589–590

Refereed Poster Papers

- [1] AGRIGOROAIE, Roxana ; TAPUS, Adriana: Detecting Deception in a Human-Robot Interaction Scenario. In: *Proceedings of the Companion of the 2017 ACM/IEEE International Conference on Human-Robot Interaction*, 2017 (HRI '17), S. 59–60