## RADOSŁAW NIEWIADOMSKI

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#### PROFESSIONAL AFFILIATIONS

University of Trento, from April 2020

**Tenure Track Assistant Professor (RTD-B)** 

Istituto Italiano di Tecnologia, from June 2020

Visiting Researcher in CONTACT Unit

Istituto Italiano di Tecnologia, June 2019 - June 2020

Postdoctorate in CONTACT Unit

University of Genoa, 2013 - 2019

Postdoctorate in InfoMus Lab

Telecom ParisTech, 2009 - 2013

Postdoctorate at Telecom ParisTech

**University of Paris 8**, 2007 - 2008

Postdoctorate at University of Paris 8

### **EDUCATION**

PhD University of Perugia (Università degli Studi di Perugia), Italy

19 February

2007

Dissertation: A model of complex facial expressions in interpersonal relations

Supervisors: Catherine Pelachaud and Giulianella Coletti.

Committee: Silvana Badaloni (Università di Padova), Stefano Bistarelli (University of Chieti-Pescara), Giulianella Coletti (University of Perugia)

MS Adam Mickiewicz University, Poznan, Poland

October 2001

Faculty of Mathematics and Computer Science Master of Science (major: Computer Science)

Supervisor: Anna Ren-Kurc

Overall grade: 5/5

#### PROJECT EXPERIENCE

2017- European Project H2020 ICT Project WeDraw (732391)

The aim of the project was to exploit different sensory modalities for learning arithmetic and geometrical concepts and develop a set of personalized serious games to teach children these concepts.

2016- 2018	European Project H2020 ICT Project WhoLoDancE (688865)
2015- 2017	European Project <b>H2020 ICT Project DANCE (645553) - Dancing in the Dark</b> The aim of the project was to enable people to perceive human full-body movement by means of interactive sonification and active (embodied) music experience.
2011- 2014	European Project FP7-ICT FET ILHAIRE (270780) - Incorporating Laughter into Human-Avatar Interactions: Research and Evaluation  The aim of this project was the analysis and synthesis of realistic audio-visual laughter and its application in interactive real-time scenarios.
2011- 2012	Project ANR CECIL (ANR-08-CORD-005) - Complex Emotion in Communication, Interaction and Language financed by the Agence Nationale de la Recherche  The aim of the project was to study complex emotions and introuce them to interactive systems.
2011- 2013	Industrial project with the company Dialonics "Intégration des émotions dans le dialogue humain-machine"
2009- 2011	European Project FP7-ICT NoE SSPNET (231287) - European Network of Excellence in Social Signal Processing
2007- 2010	European Project <b>FP6-IST CALLAS (034800)</b> - <b>Conveying Affectiveness in Leading-edge Living Adaptive Systems</b> The aim of the project was to create a framework to interpret and process emotional aspects of interaction in real-time artistic and entertainment applications.

#### PROJECT RESPONSIBILITY

Workpackage Leader (WP4) of European Project H2020 ICT Project DANCE (645553)

#### OTHER PROJECTS EXPERIENCE

- **2013** Laugh when you're winning collaborative project realized during 9th International Summer Workshop on Multimodal Interface eNTERFACE 2013, Lisbon, Portugal
- **2012** Project Leader of *Laugh Machine* collaborative project realized during 8th International Summer Workshop on Multimodal Interface *eNTERFACE 2012*, Metz, France
- **2009** *AVLaughter* collaborative project realized during 5th International Summer Workshop on Multimodal Interface *eNTERFACE 2009*, Genoa, Italy

### **INVITED TALKS**

• Invited speaker at the webinar of the Advanced Research Institute for Informatics, Computing and Networking (University De La Salle) with the talk "Computational Commensality", 15 January 2021

- Invited speaker at the seminar of the IMATI Institute with the talk "Nonverbal affect recognition and synthesis
  with application to embodied agents", National Research Council (CNR), Genoa, Italy, 18 February 2020
- Invited speaker at the seminar of the RBCS Department with the talk "Expressive behavior recognition and synthesis with application to laughter", Italian Institute of Technology, Genoa, Italy, 8 February 2019
- Invited speaker at the seminar of Neurocognitive Laboratory with a talk "Full-body expressive movement analysis: studying expressive qualities in contemporary dance and laughter recognition", the University of Torun, Poland, 27 June 2017
- Invited speaker at the Seminar Series on Cyber-emotions with a talk "Full-body expressive movement recognition", the University of Perugia, Italy, 14 July 2017
- Invited speaker at the seminar of Human-Computer Interaction research group with a talk "Full-body expressive behavior analysis in laughter and dance", the University of Bath, UK, 7 December 2016
- Visiting researcher at University De La Salle, Manila, Philippines with a cycle of seminars and workshops on Affective Computing and Expressive Virtual Agents, January 27 – February 3, 2013 (http://www.dlsu.edu.ph/faculty/visiting\_professors/default.asp)
- Invited speaker with a talk "Embodied Conversational Agents: emotions, expressions, listeners", Information Systems Laboratory at the Adam Mickiewicz University, Poznan, Poland, 10 January 2012

#### AWARDS AND DISTINCTIONS

- Eligibility for the permanent researcher position at National Research Council (CNR) in the national selection nr 368.44 RIC.
- National scientific qualification to function as associate professor (Abilitazione Scientifica, Fascia II) in sections
   01/B1 (Computer Science) and 09/H1 (Information Processing Systems)
- Qualification "maître de conférences" (France, Section 27, Informatique), 2010, 2015
- Honorable Mention Award at 26th International Conference on Intelligent User Interfaces (IUI '21), for the paper "Multimodal Emotion Recognition of Hand-Object Interaction", April 15, 2021, Texas, USA.
- Best paper award at 10th International Conference on Intelligent Virtual Agents (IVA 2010), for the paper "Warmth, Competence, Believability and Virtual Agents", September 20-22, 2010, Philadelphia, USA
- Best paper award at 6th International Conference on Intelligent Virtual Agents (IVA 2006), for the paper "Perception of Blended Emotions: From Video Corpus to Expressive Agent", August 21-23, 2006, Marina del Rey, USA
- Training certificate POST-LAUREAM from the Region of Umbria in the field of reasoning under partial knowledge, December 2002
- European Union scholarship "Socrates/Erasmus" at the University of Perugia, Italy, September 2000 July 2001

#### **SCIENTIFIC ACTIVITIES**

# Accepted project proposals

- EU H2020 EnTimeMent proposal (co-editing)
- EU H2020 DANCE proposal (co-editing)
- FET FP7 ILHAIRE proposal (co-editing)
- author of the eNTERFACE 2012 project "P2 Laugh Machine"

### National Projects Reviewer

- National Science Centre (NCN), Poland, 2021
- Dutch Research Council (NWO), The Netherlands, 2020
- Agence Nationale de la Recherche (ANR), Generic Call for Proposals, France, 2019
- University of Vienna, Uni:DOCs fellowship proposal, 2014

## Journal Reviewer (26)

- IEEE Transactions on Multimedia (2)
- IEEE Transactions on Robotics (1)
- IEEE Transactions on Affective Computing (15)
- IEEE Transactions on Visualization and Computer Graphics (1)
- IEEE Computer Graphics and Applications (4)
- IEEE Transactions on Human-Machine Systems
   (1)
- IEEE Transactions on Cognitive and Developmental Systems (2)
- ACM Transactions on Applied Perception (2)
- ACM Transaction on Interactive Intelligent Systems (2)
- Communications of the ACM (2)
- Multimedia Tools And Applications (Springer) (1)
- Journal of Human-Computer Studies (Elsevier)
- Computers & Graphics (Elsevier) (5)

- MIT Presence Journal (MIT Press)
- The Visual Computer Journal (Springer) (2)
- Computer Animation and Virtual Worlds Journal (Wiley) (4)
- Journal of Multimodal User Interfaces (Springer) (8)
- Interaction Design and Architecture Journal
- Journal of Virtual Reality and Broadcasting
- Applied Mathematics & Information Sciences
- Entertainment Computing (Elsevier)
- Frontiers in Robotics and AI
- Frontiers in Psychology
- Frontiers in Computer Science
- Behaviour & Information Technology (Taylor & Francis) (3)
- International Journal of Social Robotics (Springer) (1)

## **Program Committee (46)**

- (Senior Program Committee), 9th International Conference on Affective Computing & Intelligent Interaction (ACII 2021).
  - International Workshop on Corpora and Tools for Social skills annotation (CATS2021) at ICMI2021.
- **2020** 22th ACM International Conference on Multimodal Interaction (ICMI 2020), October 25-29, Utrecht, the Netherlands
- (Senior Program Committee), 8th International Conference on Affective Computing & Intelligent Interaction (ACII 2019), September 3-6, Cambridge, United Kingdom
  - 19th ACM International Conference on Intelligent Virtual Agents, July 2-5, Paris, France
  - 3rd International Conference on Computer-Human Interaction Research and Applications (CHIRA 2019), September 20 21, Vienna, Austria
  - 3rd International Conference on Human Computer Interaction Theory and Applications (HUCAPP 2019), February 25 27, Prague, Czech Republic
  - Workshop on Recognition, Treatment and Management of Pain and Distress (PD & EmoPain 2019) at ACII 2019, September 3rd, Cambridge, United Kingdom
- **2018** 18th ACM International Conference on Intelligent Virtual Agents (IVA 2018), November 5-8, Sydney, Australia
  - 2nd International Conference on Computer-Human Interaction Research and Applications (CHIRA 2018), September 19 21, Seville, Spain
- The International Conference on Human Computer Interaction Theory and Applications (HUCAPP 2017), February 27 March 1, Porto, Portugal
  - 1st International Workshop on Affective Computing and Emotion Recognition (ACER 2017), August 23-26, Leipzig, Germany

- 5th International Conference on Human-Agent Interaction, 17-20 October, Bielefeld, Germany
- 7th International Conference on Affective Computing and Intelligent Interaction (ACII 2017), October 23-26, San Antonio, Texas
- 17th International Conference on Intelligent Virtual Agents (IVA 2017), August 27-30, Stockholm, Sweden
- International Conference on Computer-Human Interaction Research and Applications (CHIRA 2017),
   October 31 November 2, Funchal, Portugal
- **2016** Social learning and multimodal interaction for designing artificial agents Workshop at ICMI 2016, November 16, Tokyo, Japan
  - 7th International Workshop on Empathic Computing (IWEC 2016), August 22-26, Phuket, Thailand
  - 10th International Conference on Interfaces and Human Computer Interaction (IHCl 2016), July 1-4,
     Madeira, Portugal
- **2015** 14th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2015), May 4-8, Istanbul, Turkey
  - 15th International Conference on Intelligent Virtual Agents (IVA 2015), August 26-28, Delft, The Netherlands
  - 6th International Workshop on Empathic Computing (IWEC-15), October 26, Bertinoro, Italy
- 2014 14th International Conference on Intelligent Virtual Agents (IVA 2014), August 27-29, Boston, USA
  - Workshop on Architectures and Standards for IVAs, at IVA 2014, August 26, Boston, USA
  - 5th International Workshop on Empathic Computing (IWEC 2014), December 1, Gold Coast, Australia
  - 16th ACM International Conference on Multimodal Interaction (ICMI 2014), November 12-16, Istanbul, Turkey
- **2013** 12th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2013), May 6-10, Saint Paul, Minnesota, USA
  - Affective Computational Intelligence Workshop WACI, IEEE Symposium Series on Computational Intelligence (SSCI 2013), April 15-19, Singapore
  - 4th International Workshop on Empathic Computing (IWEC 2013), August 3, Beijing, China
  - 6th International Conference on Advances in Computer-Human Interactions (ACHI 2013), February 24 March 1, Nice, France
  - 13th International Conference on Intelligent Virtual Agents (IVA 2013), August 29-31, Edinburgh, UK
  - 5th International Workshop on Affective Interaction in Natural Environments (AFFINE 2013), September 2, Geneva, Switzerland
- **2012** 12th International Conference on Intelligent Virtual Agents (IVA 2012), September 12-14, Santa Cruz, USA
  - IADIS Interfaces and Human Computer Interaction (IADIS-IHCI 2012), July 17-23, Lisbon, Portugal
  - 11th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2012), June 4-8, Valencia, Spain
  - International Conference on Kansei Engineering and Emotion Research (KEER 2012), August 31 -September 2, Leeds, UK
  - 7th IASTED International Conference on Human-Computer Interaction (IASTED-HCI 2012), May 14-16, Baltimore, USA
  - 12th Pacific Rim International Conference on Artificial Intelligence (PRICAI 2012), September 3-7, Kuching, Malaysia
  - 3rd International Workshop on Empathic Computing (IWEC 2012), September 3-4, Sarawak, Malaysia
  - 3rd International Workshop on Social Behavior in Music (SBM 2012), October 22-26, Santa Monica, California, USA

- 11th International Conference on Intelligent Virtual Agents (IVA 2011), September 15-17, Reykjavik, Iceland
  - 6th IASTED International Conference on Human-Computer Interaction (HCI 2011), May 16-18, Washington, DC, USA
  - 15th International Conference on Intelligent User Interfaces (IUI 2011), February 13-16, Palo Alto, California, USA
- **2010** 10th International Conference on Intelligent Virtual Agents (IVA 2010), September 20-22, Philadelphia, USA
  - IADIS International Conference Interfaces and Human Computer Interaction (IADIS-IHCI 2010), July 28-30, Freiburg, Germany
  - 3rd Workshop on Multimodal Output Generation (MOG 2010), July 5-6, Dublin, Ireland

## Conference Reviewer (29)

- 2020 29th IEEE International Conference on Robot and Human Interactive Communication (RO-MAN 2020), August 31 September 4, Naples, Italy
  - International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU 2020), June 15-19, Lisbon, Portugal
- ACM CHI Conference on Human Factors in Computing Systems (CHI 2019), May 4-9, Glasgow, UK
- ACM CHI Conference on Human Factors in Computing Systems (CHI 2018), April 21-26, Montreal, Canada
  - 17th International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2018), July 10-15, Stockholm, Sweden
- 19th ACM International Conference on Multimodal Interaction (ICMI 2017), November 13-17, Glasgow, Scotland
  - 23rd ACM Symposium on Virtual Reality Software and Technology, November 8-10, Gothenburg, Sweden
- 16th International Conference on Intelligent Virtual Agents (IVA 2016), September 20-23, Los Angeles, CA, USA
  - 18th ACM International Conference on Multimodal Interaction (ICMI 2016), November 12-16, Tokyo, Japan
  - ACM SIGCHI Annual Symposium on Computer-Human Interaction in Play (CHI PLAY 2016), October 16-19, Austin, Texas
- 36th Annual Conference of the European Association for Computer Graphics (Eurographics 2015), May 4-8, Zürich, Switzerland
  - ACM CHI Conference on Human Factors in Computing (CHI 2015), April 18-23, Seoul, Korea
  - 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp 2015),
     September 9-11, Osaka, Japan
  - ACM SIGCHI Annual Symposium on Computer-Human Interaction in Play (CHI PLAY 2015), October
     5-7, London, England
  - 17th ACM International Conference on Multimodal Interaction (ICMI 2015), November 9-13, Seattle, USA
- International Conference and Exhibition on Virtual Reality (VR 2014), March 29 April 2, Minneapolis, MN
  - HCI International 2014, June 22-27, Crete, Greece
- 15th ACM International Conference on Multimodal Interaction (ICMI 2013), December 9-13, Sydney, Australia
  - 6th International Conference of Students of Systematic Musicology (Sysmus 2013), September 12-14, Genoa, Italy

- Conference on Technologies and Applications of Artificial Intelligence (TAAI 2011), November 11-13, Taoyuan, Taiwan
  - 4th International ICST Conference on Intelligent Technologies for Interactive Entertainment (INTETAIN 2011), May 25-27, 2011, Italy
  - IEEE International Conference on Multimedia and Expo (ICME 2011), July 11-15, Barcelona, Spain
  - 2011 Workshop on Affective Computational Intelligence (WACI 2011), April 11-15, Paris, France
- **2010** SIGGRAPH Asia 2010 conference, December 15-18, Seoul, Korea
  - International Conference on Kansei Engineering and Emotion Research (KEER 2010), March 2-4,
     Paris, France
- 22nd Annual Conference on Computer Animation and Social Agents (CASA 2009), June 17-19, Amsterdam, The Netherlands
- IADIS International Conference Interfaces and Human Computer Interaction 2008 (IADIS-IHCI 2008), July 25-27, Amsterdam, The Netherlands
- 2nd International Conference on Affective Computing and Intelligent Interaction (ACII 2007), September 12-14, Lisbon, Portugal
  - 7th International Conference on Intelligent Virtual Agents (IVA 2007), September 17-19, Paris, France

## Event organization and other collective activities

- **Guest Editor (ongoing)** of the Special Topic "Computational Commensality" in Human-Media Interaction Section of Frontiers
- Organizer of the workshop on Machines with Emotions: Affect Modeling, Evaluation, and Challenges in Intelligent Cars, in the framework of the 2019 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2019), Macau, China, November 4, 2019
- Review Editor in Human-Media Interaction of Frontiers
- Volunteer at 2nd International Summer School on Deep Learning, Genoa, Italy, July 2018
- Doctoral Consortium Chair at 5th International Conference on Movement and Computing (MOCO 2018)
- Organizer of The First International Workshop on Motor Learning for Music Performance (MOTION 2017) in the framework of the 17th Intl. Conference on New Interfaces for Musical Expression (NIME 2017), Copenhagen, Denmark, May 15-19, 2017
- **Guest editor** of the Special Issue: *Laughter Computing: towards machines able to deal with laughter,* in IEEE Transactions on Affective Computing
- Organizer of the **Workshop:** A research platform for synchronised individual/group affective/social signal recording and analysis at: the International Conference on Affective Computing and Intelligent Interaction (ACII 2015)
- Organizer of the **Special Session**: Laughter Computing at: the International Conference on Affective Computing and Intelligent Interaction (ACII 2015)
- Exhibitor at ICT 2013 Create, Connect, Grow Vilnius, November 2013 (with ILHAIRE Project)
- "Emotion and Personality" Session Chair at the 12th International Conference on Intelligent Virtual Agents (IVA 2012)
- Participation in the organization of 7th International Conference on Intelligent Virtual Agents (IVA 2007),
   Paris, September 2007
- Participation in the organization of the International Workshop "Emotion in Interaction", Paris, February 2005
- Participation in the organization of the Tenth International Conference on Information Processing and Management of Uncertainty (IPMU 2004), Perugia, July 2004
- Development of the Embodied Conversational Agent called Greta (https://github.com/gretaproject/greta)

Lectures: 140 + 59 (ongoing) hours

Teacher assistant: 130 hours

Professional development training: 169 hours

- Lecturer (docente): Foundations of Social and Psychological Science: Modelling Affective and Social
   Nonverbal Behaviors, University of Trento (17 hours, English, Master in Data Science, October 2020)
  - Lecturer (docente): Introduction to Programming, University of Trento (15 hours, English, Master in HCI, September 2020)
  - (Ongoing activity) Lecturer (docente): Computer Science and Introduction to Programming 1, (Informatica ed elementi di programmazione I) University of Trento (59 hours, Italian, B.Sc Level, February-May 2021)
- 2019- Lecturer (docente): Affective Computing and Embodied Interfaces, University of Genoa (20 hours, English, PhD Course, February 2019)
- Lecturer: Affective Computing and Multimodal Interaction at University De La Salle, Philippines (12 hours, English, Master level, February 2018)
  - Lecturer: (docente): Affective Computing and Embodied Interfaces, University of Genoa (10 hours, English, PhD Course, April 2018)
- Lecturer: Affective Computing and Multimodal Interaction at University De La Salle, Philippines (24 hours, English, B.Sc. level, June-July 2017)
  - Lecturer (docente): Programming in C language at the *Scuola Telecomunicazioni FF.AA, Chiavari* (59 hours, Italian, professional development training)
- **2015-** Teaching assistant for courses: *Human Computer Interaction* at the University of Genoa (15 hours, Italian, M.Sc. level)
  - Lecturer (docente): Programming in C language at the *Scuola Telecomunicazioni FF.AA, Chiavari* (57 hours, Italian, professional development training)
- Lecturer (docente): Programming in C language at the *Scuola Telecomunicazioni FF.AA, Chiavari* (53 hours, Italian, professional development training)
- Teaching assistant for courses: *Multimodal Systems* at the University of Genoa (18 hours, Italian, B.Sc. level)
- Teaching assistant for courses: *Multimodal Systems* at the University of Genoa (15 hours, Italian, B.Sc. level)
- Lecturer (chargé de cours): Interactive Virtual Agents (Agents virtuels communicants, communication verbale et non verbale) for Master "Technologie et Hanicap" at University Paris 8 (12 hours, French, M.Sc. level, 11-21 January 2013)
- Lecturer (chargé de cours): Expressive Virtual Agents (Animation expressive d'agents conversationnels), IMA4521, at Telecom SudParis (9 hours French, B.Sc. level, 13-19 June 2012)
- Lecturer (chargé de cours): Interactive Virtual Agents (Agents virtuels communicants, communication verbale et non verbale) for Master "Technologie et Hanicap" at University Paris 8 (12 hours, French, M.Sc. level, 20-27 January 2012)
- 2010- Lecturer (chargé de cours): Expressive Virtual Agents (Animation expressive d'agents conversationnels), IMA4521, at Telecom SudParis (9 hours, French, B.Sc. level, 17-23 June 2011)
- Teaching assistant for courses: Databases (*Corso di Basi di Dati e Sistemi Informativi*) at the University of Perugia (20 hours, Italian, B.Sc. level)

- **2005-** Teaching assistant for courses: Programming Languages I (*Corso di Programmazione I*) at the University of Perugia (12 hours, Italian, B.Sc. level)
- Teaching assistant for courses: Operative Systems II (*Sistemi Operativi II*) at the University of Perugia (10 hours, Italian, B.Sc. level)
  - Teaching assistant for courses: Operative Systems II (*Sistemi Operativi II*) at the University of Perugia (20 hours, Italian, B.Sc. level)
- 2003 Teaching assistant for courses: Laboratory of Languages and Compilators (Laboratorio dei Linguaggi e Compilatori) at the University of Perugia (20 hours, Italian, B.Sc. level)

## Supervisor

- Supervisor of the Master student: Luca Cartosio. Title: Modeling affective gestures in iCub robot (Master of Science in Robotics Engineering, EMARO Program, Universitat Jaume I, University of Genoa, 2020)
- Co-supervisor of the Linda Lovisolo and Serena Dominici. Title: Differentiation of emotional states based on tactile and kinematics data from object manipulation (Bachelor in *Ingegneria Biomedica*, University of Genoa, 2020)
- Supervisor of the Master student Amrita Suresh. Title: Modeling Interpersonal Stances for the iCub Robot (Master of Science in Robotics Engineering, EMARO Program, University of Genoa, 2020)
- Co-supervisor of the Master student Sukumar Karumuri. Title: From motions to emotions: classification of full-body movements using deep learning (EU Project WhoLoDancE, Master of Science in Robotics Engineering, EMARO Program, University of Genoa, 2018)
- Co-supervisor of the Master student Vincenzo Lussu. Title: Discriminazione multimodale di qualità espressive di movimento tramite segnali audio di respirazione (EU Project DANCE, Master thesis, University of Genoa, 2017)
- Supervisor of Emaro Students Group Project by Anujaya Weerawarna, Alessio De Bona. Title of the project: Development of algorithms for impulsivity (University of Genoa)
- Supervisor of the Internship project by Abhishek Sharma. Title: Machine learning for laughter synthesis (Telecom ParisTech)
- Co-supervisor of the Master student Lucie Chauveau. Title: Animation d'expression faciale à partir de capture de mouvements (Master thesis, Telecom ParisTech)
- Co-supervisor of the Master student Aymen Jmal. Title: Contrôle d'un avatar par une sphère avec des capteurs acoustiques (Projet Isphere, Master thesis, Telecom ParisTech)
- Co-supervisor of the Master student Monica Bellachioma. Title: Certificazione digitale di transazioni: un server di verbali d'esame (Master thesis, University of Perugia)
- Co-supervisor of the Master student Ines Selli. Title: Web Service per una autorita di certificazione open source (Master thesis, University of Perugia)

## **PROFESSIONAL TRAINING**

2018 • 2nd International Summer School on Deep Learning, Genoa, Italy, July 2018

• Machine Learning Crash Course, University of Genoa, Italy, February 2014

• EyesWeb Week 2010 - The 3rd Tutorial on the EyesWeb Open Platform, University of Genoa, Italy, 8 - 12 February 2010

• HUMAINE Summer School 2006, Genoa, Italy, 22-28 September 2006

• Autumn Academy in Affective Sciences 2005, Geneva, Switzerland, 27 September - 5 October 2005

Fifth International School in Reasoning under Partial Knowledge, Foligno, Italy, 9-14 December 2005

- Internship at the LINC laboratory, IUT de Montreuil, University Paris 8, 1 February 2005 31 July 2005
- Fourth International School on Reasoning under Partial Knowledge, Foligno, Italy, 16-26 September 2004
- Third International School on Reasoning under Partial Knowledge, Foligno, Italy, September 2003
- Second International Summer School on Reasoning under Partial Knowledge REASONPARK, Foligno, Italy, August 2002

#### **OTHER COMPETENCES**

- motion capture systems: Qualisys, Xsens, OptoTrack
- Statistical packages: SPSS
- Programming languages: C++, JAVA
- Languages: Polish (mother tongue), Italian, English (fluent), French (good)

#### **PUBLICATIONS**

# Guest Editorial (2)

- E2 Camurri, A., Volpe, V., Mancini, M., **Niewiadomski, R.**, Piana, S., Proceedings of the 5th International Conference on Movement and Computing, ACM Digital Library, ISBN 978-1-4503-6504-8, 2018. https://dl.acm.org/citation.cfm?id=3212721
- E1 Mancini, M., **Niewiadomski, R.**, Hashimoto, S., Foster, M.E., Scherer, S., Volpe, G., Guest Editorial: Towards Machines Able to Deal with Laughter, in IEEE Transactions on Affective Computing, Vol. 8, 2017. doi:0.1109/TAFFC.2017.2766938

# Refereed papers in international journals (16)

- IJ16 Larradet, F., Niewiadomski, R., Barresi, G., Caldwell, D.G., Mattos, L.S., Toward Emotion Recognition From Physiological Signals in the Wild: Approaching the Methodological Issues in Real-Life Data Collection Frontiers in Psychology, 11, 2020. doi: 10.3389/fpsyg.2020.01111
- IJ15 Olugbade, T., Newbold, J., Johnson, R. Volta, E., Alborno, P., Niewiadomski, R., Dillon, M., Volpe, G., Berthouze, N., Automatic Detection of Reflective Thinking in Mathematical Problem Solving based on Unconstrained Bodily Exploration, accepted to Transactions on Affective Computing.
  doi: 10.1109/TAFFC.2020.2978069
- Niewiadomski, R., Ceccaldi, E., Huisman, G., Volpe, G., Mancini, M., Computational Commensality: from theories to computational models for social food preparation and consumption in HCl. Frontiers Robotics and AI, 2019. doi: 10.3389/frobt.2019.00119
- Lussu, V., **Niewiadomski, R.,** Volpe, G., Camurri, A., The role of respiration audio in multimodal analysis of movement qualities. Journal on Multimodal User Interfaces, 14, pp. 1–15, 2020. doi: 10.1007/s12193-019-00302-1
- Niewiadomski, R., Kolykhalova, K., Piana, S., Alborno, P., Volpe, G., Camurri, A., Analysis of Movement Quality in Full-Body Physical Activities, ACM Transaction on Interactive Intelligent Systems, Volume 9 Issue 1, February 2019. doi: 10.1145/3132369

- IJ11 Niewiadomski, R., Mancini, M., Cera, A., Piana, S., Canepa, C., Camurri, A., Does embodied training improve the recognition of mid-level expressive movement qualities sonification? Journal on Multimodal User Interfaces, pp. 191–203, 2019.

  doi: 10.1007/s12193-018-0284-0
- IJ10 **Niewiadomski, R.,** Mancini, M., Varni, G., Volpe, G., Camurri, A., Automated Laughter Detection from Full-Body Movements, in IEEE Transactions on Human-Machine Systems, vol. 46, no. 1, pp. 113-123, 2016. doi: 10.1109/THMS.2015.2480843
- IJ9 Hofmann, J., Platt, T., Ruch, W., **Niewiadomski**, R., Urbain, J., The influence of a virtual companion on amusement when watching funny film, Motivation and Emotion, Volume 39, Issue 3, pp. 434-444, 2015. doi: 10.1007/s11031-014-9461-y
- Niewiadomski, R., Pelachaud, C., The Effect of Wrinkles, Presentation Mode and Intensity on the Perception of Facial Actions and Full Face Expressions of Laughter, ACM Transactions on Applied Perception, Volume 12 Issue 1, 2015. doi: 10.1145/2699255
- IJ7 Ruch, W.F., Platt, T., Hofmann, J., **Niewiadomski, R.**, Urbain, J., Mancini, M. Dupont, S. Gelotophobia and the Challenges of Implementing Laughter into Virtual Agents Interactions, Frontiers in human neuroscience, 8:928, 2014.

  doi: 10.3389/fnhum.2014.00928
- UG Ochs, M., **Niewiadomski**, R., Brunet, P., Pelachaud, C., Smiling virtual agent in social context, Cognitive Processing, Volume 13, Issue 2, pp. 519-532, 2012. doi: 10.1007/s10339-011-0424-x
- Demeure, V., **Niewiadomski, R.**, Pelachaud, C., How believability of virtual agent is related to warmth, competence, personification and embodiment? MIT Presence, Vol. 20, No. 5, pp. 431-448, 2011. doi: 10.1162/PRES\_a\_00065
- Niewiadomski, R., Hyniewska, S, Pelachaud, C., Constraint-Based Model for Synthesis of Multimodal Sequential Expressions of Emotions, IEEE Transactions on Affective Computing, vol. 2, no. 3, pp. 134-146, 2011. doi: 10.1109/T-AFFC.2011.5
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- IC8 **Niewiadomski, R.**, Ochs, S., Pelachaud, C., Expressions of empathy in ECAs, in Proceedings of the 8th International Conference on Intelligent Virtual Agents, Lecture Notes in Computer Science, Volume 5208, Tokyo, Japan, pp. 37-44, 2008.

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