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 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)	19 February 2007
MS	Adam Mickiewicz University, Poznan, Poland Faculty of Mathematics and Computer Science Master of Science (major: Computer Science) Supervisor: Anna Ren-Kurc Overall grade: 5/5	October 2001

PROJECT EXPERIENCE

2017-2018 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- European Project **H2020 ICT Project WhoLoDancE (688865)**

2018

2015-2017 European Project **H2020 ICT Project DANCE (645553) - Dancing in the Dark**
- *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 apply 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 **FP6-IST CALLAS (034800)** - **Conveying Affectiveness in Leading-edge Living Adaptive Systems**
- *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
- 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
- preparation of EU H2020 EnTimeMent project proposal
- preparation of EU H2020 DANCE project proposal
- preparation of FET FP7 ILHAIRE project proposal
- author of the eNTERFACE 2012 project "P2 - Laugh Machine"

National Projects Reviewer
- Dutch Research Council (NWO), The Netherlands; 2020
- Agence Nationale de la Recherche (ANR), France; Generic Call for Proposals, 2019
- University of Vienna; *Uni:DOCs fellowship proposal, 2014*

Journal Reviewer (26)

IEEE Transactions on Multimedia (2)	MIT Presence Journal (MIT Press)
IEEE Transactions on Robotics (1)	The Visual Computer Journal (Springer)

- 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
- Multimedia Tools And Applications (Springer) (1)
- Journal of Human-Computer Studies (Elsevier)
- Computers & Graphics (Elsevier) (5)
- Computer Animation and Virtual Worlds Journal (Wiley)
- 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 (45)

2021
- **(Senior Program Committee)**, 9th International Conference on Affective Computing & Intelligent Interaction (ACII 2021).

2020
- 22th ACM International Conference on Multimodal Interaction (ICMI 2020), October 25-29, Utrecht, the Netherlands

2019
- **(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

2017
- 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 (IHCI 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

2011
- 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

2019
- ACM CHI Conference on Human Factors in Computing Systems (CHI 2019), May 4-9, Glasgow, UK

2018
- 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

2017
- 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

2016
- 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

2015
- 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

2014
- International Conference and Exhibition on Virtual Reality (VR 2014), March 29 - April 2, Minneapolis, MN
- HCI International 2014, June 22-27, Crete, Greece

2013
- 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

2011
- 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

2009
- 22nd Annual Conference on Computer Animation and Social Agents (CASA 2009), June 17-19, Amsterdam, The Netherlands

2008
- IADIS International Conference Interfaces and Human Computer Interaction 2008 (IADIS-IHCI 2008), July 25-27, Amsterdam, The Netherlands

2007
- 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)

TEACHING EXPERIENCE

Lectures: 140 + 64 (ongoing) hours
Teacher assistant: 130 hours
Professional development training: 169 hours

2020-2021
- 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 (64 hours, Italian, B.Sc Level, February-May 2021)

2019-2018
- Lecturer (docente): Affective Computing and Embodied Interfaces, English, University of Genoa (20 hours, PhD Course, February 2019)

2017-2018
- 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)

2016-2017
- 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)

2015-2016
- 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)

2014-2015
- 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)

2013-2014
- Teaching assistant for courses: *Multimodal Systems* at the University of Genoa (15 hours, Italian, B.Sc. level)

2012-2013
- 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)

2013-2012
- 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)

2010-2011
- 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)

2005-2006
- Teaching assistant for courses: Databases (*Corso di Basi di Dati e Sistemi Informativi*) at the University of Perugia (20 hours, Italian, B.Sc. level)

2005-2004
- Teaching assistant for courses: Programming Languages I (*Corso di Programmazione I*) at the University of Perugia (12 hours, Italian, B.Sc. level)

2004-2003
- Teaching assistant for courses: Operative Systems II (*Sistemi Operativi II*) at the University of Perugia (10 hours, Italian**,** B.Sc. level)

2003-2002
- Teaching assistant for courses: Operative Systems II (*Sistemi Operativi II*) at the University of Perugia (20 hours, Italian**,** B.Sc. level)
- 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
- (ongoing) Co-Supervisor of the Master student Yasser Abouhaileh. Title: Low-Intrusive Recognition of Expressive Movement Qualities using Deep Learning (Master thesis, University of Genoa)

- 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 of the thesis: 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 of the thesis: 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: 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 Florian Pecune (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
2014	• Machine Learning Crash Course, University of Genoa, Italy, February 2014
2010	• EyesWeb Week 2010 - The 3rd Tutorial on the EyesWeb Open Platform, University of Genoa, Italy, 8 - 12 February 2010
2006	• HUMAINE Summer School 2006, Genoa, Italy, 22-28 September 2006
2005	• 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
2004	• Fourth International School on Reasoning under Partial Knowledge, Foligno, Italy., 16-26 September 2004
2003	• Third International School on Reasoning under Partial Knowledge, Foligno, Italy, September 2003
2002	• 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, *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

IJ14   **Niewiadomski, R.,** Ceccaldi, E., Huisman, G., Volpe, G., Mancini, M., Computational Commensality: from theories to computational models for social food preparation and consumption in HCI. Frontiers Robotics and AI, 2019.
doi: 10.3389/frobt.2019.00119

IJ13   Lussu, V., **Niewiadomski, R.,** Volpe, G., Camurri, A., The role of respiration audio in multimodal analysis of movement qualities. Journal on Multimodal User Interfaces, 2019.
doi: 10.1007/s12193-019-00302-1

IJ12   **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, 2018.
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

IJ8   **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

IJ6   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

IJ5   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

IJ4   **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

IJ3   Urbain, J., **Niewiadomski, R.,** Bevacqua, E., Dutoit, T., Moinet, A., Pelachaud, C., Picart, B., Tilmanne, J., Wagner, J., AVLaughterCycle. Enabling a virtual agent to join in laughing with a conversational partner using a similarity-driven audiovisual laughter animation, Journal of Multimodal User Interfaces, vol. 4, n. 1, pp. 47-58, 2010.
doi: 10.1007/s12193-010-0053-1

IJ2   **Niewiadomski, R.,** Pelachaud, C., Affect expression in ECAs: Application to politeness displays, International Journal of Human-Computer Studies, 68, pp. 851-871, 2010.

IJ1   Martin, J.-C., **Niewiadomski, R.**, Devillers, L., Buisine, S., Pelachaud, C., Multimodal complex emotions: Gesture expressivity and blended facial expressions, International Journal of Humanoid Robotics, Special Edition: Achieving Human-Like Qualities in Interactive Virtual and Physical Humanoids, vol. 3, num. 3, pp. 269-292, 2006.

Refereed papers in national journals (2)

NJ2   de Sevin, E., **Niewiadomski, R.,** Bevacqua, E., Pez, A.-M., Mancini, M., Pelachaud, C., Greta, une plateforme d'agent conversationnel expressif et interactif, Technique et science informatiques, le numéro spécial : Agents conversationnels animés, vol. 29/7, pp. 751-776, 2010.

NJ1   Ochs, M., **Niewiadomski, R.,** Pelachaud, C., Sadek, D., Expressions Intelligentes des Emotions, Revue en Intelligence Artificielle RIA, Special Edition : Interaction Emotionnelle, vol. 20, n. 4-5, pp. 607-620, 2006.

Book chapters (12)

BC12   Ochs, M., **Niewiadomski, R.,** Pelachaud, C., Facial expressions of emotions for virtual characters, in: Calvo, R.A., D'Mello, S.K., Gratch, J., Kappas, A. (eds.), The Oxford Handbook of Affective Computing, pp. 261-272, Oxford University Press, 2015.

BC11   Mancini, M., Ach, L., Bantegnie, E., Baur, T., Berthouze, N., Datta, D., Ding, Y., Dupont. S., Griffin, H.J., Lingenfelser, F., **Niewiadomski, R.,** Pelachaud, C., Pietquin, O., Piot, B., Urbain, J., Volpe, G., Wagner, J., Laugh When You're Winning, Advances in Information and Communication Technology 6102, Springer International Publishing, 2013.

BC10   **Niewiadomski, R.,** Mancini, M., Piana, S., Human and virtual agent expressive gesture quality analysis and synthesis, in: Rojc, M., Campbell, N. (eds.) Coverbal Synchrony in Human-Machine Interaction, pp. 269-292, Science Publishers (USA), 2013.

BC9   **Niewiadomski, R.,** Hyniewska, S., Pelachaud, C., Computational Models of Expressive Behaviors for a Virtual Agent, in: Gratch, J., Marsella, S. (eds.) Social emotions in nature and artifact: Emotions in human and human-computer interaction, pp. 143-157, Oxford University Press, 2013.

BC8   Ochs, M., Bevacqua, E., Prepin, K., Le, Q.A., Ding, Y., Huang, J.-F., **Niewiadomski, R.,** Pelachaud, C., La compréhension de la machine à travers l'expression non-verbale. In Grandgeorge, M., Le Pévédic, B., Pugnière-Saavedra, F. (eds.) Intercompréhensions comparées dans trois types d'interactions: Homme-Homme, Animal-Homme-Machine et Homme-Machine, E.M.E. EDITIONS, 2013.

BC7   Hyniewska, S., **Niewiadomski, R.,** Pelachaud, C., Modeling Facial Expressions of Emotions, C. Pelachaud (ed.) Emotion-oriented Systems, Wiley, pp. 169-190, 2011. (French version: Hyniewska, S., Niewiadomski, R., Pelachaud, C., Modélisation des expressions faciales des émotions, C. Pelachaud (ed.) Systèmes d'Interaction Emotionnelle, Paris: Hermes Science, pp. 201-222, 2010.

BC6   Martin, J-C, Devillers, L., Raouzaiou, A., Caridakis, G., Ruttkay, Z., Pelachaud, C., Mancini, M., **Niewiadomski, R**., Pirker H., Krenn, B. et al., Coordinating the Generation of Signs in Multiple Modalities in an Affective Agent, R. Cowie, P. Petta, C. Pelachaud (eds.), Emotion-oriented Systems: Humaine Handbook, Springer , pp. 349-367, 2011.

BC5   André, E., Bevacqua, E., Heylen, D., **Niewiadomski, R.**, Poggi, I., Pelachaud, C., Peters, C., Rehm, M., Non-verbal persuasion and communication in an affective agent, R. Cowie, P. Petta, C. Pelachaud (eds.), Emotion-oriented Systems: Humaine Handbook, Springer, pp. 585-608, 2011.
doi: 10.1007/978-3-642-15184-2_30

BC4   **Niewiadomski, R.**, Mancini, M., Hyniewska, S., Pelachaud, C., Communicating emotional states with the Greta agent, Scherer, K.R., Banziger, T., Roesch, E. (eds.) A Blueprint for Affective Computing: A sourcebook, Oxford: Oxford University Press, pp. 256-268, 2010.
ISBN: 9780199566709

BC3   Hyniewska, S., **Niewiadomski, R.**, Mancini, M., Pelachaud, C., Expression of affects in Embodied Conversational Agents, Scherer, K.R., Banziger, T., Roesch, E. (eds.) A Blueprint for Affective Computing: A sourcebook, Oxford: Oxford University Press, pp. 213-221, 2010.
ISBN: 9780199566709

BC2   Bevacqua, E., Prepin, K., **Niewiadomski, R.**, de Sevin, E., Pelachaud, C., Greta: Towards an Interactive Conversational Virtual Companion, Wilks Y. (ed.), Close Engagements with Artificial Companions: Key social, psychological, ethical and design issues, John Benjamins Publishing Company, pp. 143-156, 2010.
doi: 10.1075/nlp.8.20bev

BC1   Poggi, I., **Niewiadomski, R.**, Pelachaud, C., Facial Deception in Humans and ECAs, Wachsmuth, I., Knoblich, G. (eds.), Modeling Communication for Robots and Virtual Humans, Springer, pp. 198-221, 2008.
doi: 10.1007/978-3-540-79037-2_11

Refereed papers in international conference and workshop proceedings (53)

IC53   Lechuga Redondo, M.E., Sciutti, A., Incao, S., Rea, F., **Niewiadomski. R.**, Can Robots Impact Human Comfortability During a Live Interview? In *Companion of the 2021 ACM/IEEE International Conference on Human-Robot Interaction* (*HRI '21 Companion*). Association for Computing Machinery, New York, NY, USA, 186–189, 2021.
doi: 10.1145/3434074.3447156

IC52   **Niewiadomski, R.,** Sciutti, A., Multimodal Emotion Recognition of Hand-Object Interaction, accepted to ACM Conference on Intelligent User Interfaces (IUI 2021).
doi: 10.1145/3397481.3450636
(Acceptance Rate 25%)

IC51   Gallagher, C.P., **Niewiadomski, R.**, Bruijnes, M., Huisman, G., Mancini, M., Eating with an artificial commensal companion, 4th Workshop on Multisensory Approaches to Human-Food Interaction, in conjunction with the 22th ACM International Conference on Multimodal Interaction, October 25th, 2020.
doi: 10.1145/3395035.3425648

IC50   Lechuga Redondo, M.E., Vignolo, A., **Niewiadomski, R.**, Rea, F., Sciutti, A., Can Robots Elicit Different *Comfortability* Levels? 12th International Conference on Social Robotics (ICSR 2020), Springer, LNAI 12483, November 14-18, 2020.
doi: 10.1007/978-3-030-62056-1_55

IC49   Mancini, M., Gallagher, C.P., **Niewiadomski, R.**, Huisman, G., Bruijnes, M., Introducing Artificial Commensal Companions. International Conference on Advanced Visual Interfaces (AVI'20), September 2020,
doi: 10.1145/3399715.3399958

IC48   Mancini, M., **Niewiadomski, R.**, Huisman, G., Bruijnes, M., Gallagher, C.P. Room for one more? - Introducing Artificial Commensal Companions. In Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems Extended Abstracts (CHI '20). Association for Computing Machinery, New York, NY, USA, 1–

8.
doi: 10.1145/3334480.3383027

IC47 Bassano, C., Ballestin, G., Ceccaldi, E., Larradet, F., Mancini, M., Volta, E., **Niewiadomski, R.,** A VR Game-based System for Multimodal Emotion Data Collection, 12th annual ACM SIGGRAPH conference on Motion, Interaction and Games 2019 (MIG 2019), October 28-30, 2019, Newcastle Upon Tyne, United Kingdom.
doi: 10.1145/3359566.3364695

IC46 Larradet, F., **Niewiadomski, R**., Barresi, G., Mattos L.S., Appraisal Theory-based Mobile App for Physiological Data Collection and Labelling in the Wild, Seventh International Workshop on Human Activity Sensing Corpus and Applications (HASCA 2019), UbiComp/ISWC '19 Adjunct, September 9-13, 2019, London, United Kingdom.
doi: 10.1145/3341162.3345595

IC45 Volta, E., **Niewiadomski, R.,** Olugbade, T., Gilio, C., Cocchi, E., Berthouze, N., Gori, M., Volpe, G., Analysis of cognitive states during bodily exploration of mathematical concepts in visually impaired children, 8th International Conference on Affective Computing & Intelligent Interaction (*ACII 2019*), 3rd-6th September, 2019, Cambridge, United Kingdom.
doi: 10.1109/ACII.2019.8925521.

IC44 Karumuri, S., **Niewiadomski, R.,** Volpe, G., Camurri, A., From Motions to Emotions: Classification of Affect from Dance Movements using Deep Learning, In *Extended Abstracts of the 2019 CHI Conference on Human Factors in Computing Systems* (CHI EA '19). ACM, New York, NY, USA, 6 pages.
doi: 10.1145/3290607.3312910

IC43 **Niewiadomski, R.,** Chauvigne, L., Mancini, M., Camurri, A., Towards a model of nonverbal leadership in unstructured joint physical activity, 5th International Conference on Movement and Computing (MOCO 2018), Genoa, Italy, 28-30 July 2018, 2018.
doi: 10.1145/3212721.3212816

IC42 **Niewiadomski, R.,** Mancini, M., Piana, S., Alborno, P., Volpe, G., Camurri, A., Low-Intrusive Recognition of Expressive Movement Qualities, In Proceedings of 19th ACM International Conference on Multimodal Interaction (ICMI 2017), November 13–17, 2017, Glasgow, UK, ACM, New York, NY, USA, pp 230-237, 2017.
doi: 10.1145/3136755.3136757
(Acceptance rate of 43%)

IC41 Alborno, P., Cera, A., Piana, S., Mancini, M., **Niewiadomski, R.,** Canepa, C., Volpe, G., Camurri, A., Interactive sonification of movement qualities - a case study of fluidity, ISon workshop, Bielefeld, 15-16 December, 2016.

IC40 Lussu, V., **Niewiadomski, R.,** Volpe, G., Camurri, C., Using the Audio Respiration Signal for Multimodal Discrimination of Expressive Movement Qualities, In Proceedings of Human Behavior Understanding: 7th International Workshop, HBU 2016, held in conjunction with ACM Multimedia*, Amsterdam, The Netherlands, October 16, 2016, Springer, volume 9997 of the series Lecture Notes in Computer Science, pp. 102-115, 2016.
doi: 10.1007/978-3-319-46843-3_7

IC39 Camurri, A., Canepa, C., Ferrari, N., Mancini, M., **Niewiadomski, R.,** Piana, S., Volpe, G., Matos, J-M., Palacio, P., Romero, M., A System to Support the Learning of Movement Qualities in Dance: a Case Study on Dynamic Symmetry, BodySenseUX Workshop held in conjunction with 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing: Adjunct (UbiComp '16), ACM, New York, NY, USA, 973-976, 2016.
doi: 10.1145/2968219.2968261

IC38 Volpe, G., Alborno, P., Camurri, A., Coletta, P., Ghisio, S., Mancini, M., Massari, A., **Niewiadomski, R.,** Piana, S., Sagoleo, R., Designing Multimodal Interactive Systems Using EyesWeb XMI, Smart Ecosystems cReation by Visual dEsign Workshop (SERVE 2016), held in conjunction with AVI 2016.
Scopus: 2-s2.0-84977566362

IC37 Piana, S., Coletta, P., Ghisio, S., **Niewiadomski, R.,** Mancini, M., Sagoleo, R., Volpe, G., Camurri, A., Towards a Multimodal Repository of Expressive Movement Qualities in Dance, In Proceedings of 3rd International Symposium on Movement and Computing (MOCO 2016), Thessaloniki, Greece, 5-6 July 2016, 2016.

doi: 10.1145/2948910.2948931
(Acceptance rate of 45%)

IC36 Camurri, A., Volpe, G., Piana, S., Mancini, M., **Niewiadomski, R.,** Ferrari, N., Canepa, C., The Dancer in the Eye: Towards a Multi-Layered Computational Framework of Qualities in Movement, In Proceedings of 3rd International Symposium on Movement and Computing (MOCO 2016), Thessaloniki, Greece, 5-6 July 2016, 2016.
doi: 10.1145/2948910.2948927
(Acceptance rate of 45%)

IC35 Alborno, P., Piana, S., Mancini, M., **Niewiadomski, R.,** Volpe, G., Camurri, Analysis of Intrapersonal Synchronization in Full-Body Movements Displaying Different Expressive Qualities, In Proceedings of the International Working Conference on Advanced Visual Interfaces (AVI '16), Paolo Buono, Rosa Lanzilotti, and Maristella Matera (eds), ACM, New York, NY, USA, pp. 136-143, 2016.
doi: 10.1145/2909132.2909262
(Acceptance rate of 27.4%)

IC34 Piana, S., Alborno, P., **Niewiadomski, R.**, Mancini, M., Volpe, G., Camurri, A, Movement Fluidity Analysis Based on Performance and Perception, In Proceedings of the 2016 CHI Conference Extended Abstracts on Human Factors in Computing Systems (CHI EA '16). ACM, New York, NY, USA, pp. 1629-1636, 2016.
doi: 10.1145/2851581.2892478
(Acceptance rate of 20%)

IC33 **Niewiadomski, R.,** Mancini, M., Volpe, G., Camurri, A., Automated Detection of Impulsive Movements in HCI, In Proceedings of the 11th Biannual Conference on Italian SIGCHI Chapter (CHItaly 2015), ACM, New York, NY, USA, pp. 166-169, 2015.
doi: 10.1145/2808435.2808466
(Acceptance rate 51%)

IC32 **Niewiadomski, R.,** Ding, Y., Mancini, M., Pelachaud, C., Volpe, G., Camurri, A., Perception of intensity incongruence in synthesized multimodal expressions of laughter, in Proceedings of the International Conference on Affective Computing and Intelligent Interaction (ACII 2015), Xi'an, China, pp. 684-690, 2015.
doi: 10.1109/ACII.2015.7344643
(Acceptance rate 28%)

IC31 Kolykhalova, K., Camurri, A., Volpe, G., Sanguineti, M., Puppo, E., **Niewiadomski, R.,** A Multimodal Dataset for the Analysis of Movement Qualities in Karate Martial Art, in Intelligent Technologies for Interactive Entertainment (INTETAIN), 7th International Conference on, Turin, Italy, pp. 74-78, 2015.
doi: 10.4108/icst.intetain.2015.260039

IC30 **Niewiadomski, R.**, Mancini, M. Ding, Y., Pelachaud, C., Volpe, G., Rhythmic body movements of laughter, In Proceedings of the 16th International Conference on Multimodal Interaction (ICMI '14), ACM, New York, NY, USA, pp. 299-306, 2014.
doi: 10.1145/2663204.2663240
(Acceptance rate 40%)

IC29 Mancini, M., Varni, G., **Niewiadomski, R.**, Volpe, G., Camurri, A., How is your laugh today? CHI '14 Extended Abstracts on Human Factors in Computing Systems (CHI EA '14), ACM, New York, NY, USA, pp. 1855-1860, 2014.
doi: 10.1145/2559206.2581205
(Acceptance rate 31%)

IC28 **Niewiadomski, R.,** Mancini M., Baur, T., Varni, G., Griffin, H. Aung, MMLI: Multimodal Multiperson Corpus of Laughter in Interaction, A.A. Salah et al. (eds): Human Behavior Understanding 2013, LNCS 8212, Springer, pp. 184–195, 2013.
doi: 10.1007/978-3-319-02714-2_16
(Acceptance rate 40%)

IC27 Urbain, J., **Niewiadomski, R.,** Mancini, M., Griffin, H., Cakmak, H., Ach, L. Volpe, G., Multimodal Analysis of laughter for an Interactive System, in Proceedings of the International Conference on Intelligent Technologies for Interactive Entertainment (INTETAIN 2013), Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering Volume 124, pp. 183-192, Mons, Belgium, 2013.
doi: 10.1007/978-3-319-03892-6_22

IC26   **Niewiadomski, R.,** Hofmann, J., Urbain, J., Platt, T., Wagner, J., Piot, B., Cakmak, H., Pammi, S., Baur, T., Dupont, S., Geist, M., Lingenfelser, F., McKeown, G., Pietquin, O., Ruch, W., Laugh-aware virtual agent and its impact on user amusement, International Conference on Autonomous Agents and Multiagent Systems, AAMAS 2013, USA, pp. 619-626, 2013.
Scopus: 2-s2.0-84899427771
(Acceptance rate 23%)

IC25   **Niewiadomski, R.,** Pammi, S., Sharma, A., Hofmann, J., Platt, T., Cruz, R.T., Qu, B., Visual laughter synthesis: Initial approaches. Interdisciplinary Workshop on Laughter and other Non-Verbal Vocalisations in Speech, Dublin, Ireland, 2012.

IC24   Qu, B., Pammi, S., **Niewiadomski, R.,** Chollet, G., Estimation of FAPs and intensities of AUs based on real-time face tracking, FAA The 3rd International Symposium on Facial Analysis and Animation, Vienna, Austria, 2012.
doi: 10.1145/2491599.2491612

IC23   **Niewiadomski, R.,** Pelachaud, C., Towards Multimodal Expression of Laughter, Proceedings of the 12th International Conference on Intelligent Virtual Agents (IVA 2012), Volume 7502 LNAI, Santa Cruz, USA, pp. 231–244, 2012.
doi: 10.1007/978-3-642-33197-8_24

IC22   **Niewiadomski, R.,** Huang, J., Pelachaud, C., Effect of Facial Cues on Identification, Proceedings of the 25th Annual Conference on Computer Animation and Social Agents (CASA 2012), Singapore, 2012.

IC21   **Niewiadomski, R.,** Urbain, J., Pelachaud, C., Dutoit, T., Finding out the audio and visual features that influence the perception of laughter intensity and differ in inhalation and exhalation phases, ES³ 2012 4th International Workshop on Corpora for Research on Emotion, Sentiment & Social Signals, LREC 2012, Istanbul, Turkey, pp. 25-31, 2012.

IC20   Obaid, M., **Niewiadomski, R.,** Pelachaud, C., Perception of Spatial Relations and of Coexistence with Virtual Agents, Proceedings of the 11th International Conference on Intelligent Virtual Agents, Volume 6895 LNAI, 2011, Reykjavík, Iceland, pp. 363-369, 2011.
doi: 10.1007/978-3-642-23974-8_39

IC19   **Niewiadomski, R.,** Bevacqua, E., Quoc Anh Le, Obaid, M., Looser, J., Pelachaud, C., Cross-media agent platform, 2011 Web3D ACM Conference, Paris, France, pp. 11-19, 2011.
doi: 10.1145/2010425.2010428
(Acceptance rate 47%)

IC18   **Niewiadomski, R.,** Prepin, K., Bevacqua, E., Ochs, M., Pelachaud, C., Towards a smiling ECA: Studies on mimicry, timing and types of smiles, ACM Multimedia 2010 Social Signal Processing Workshop (SSPW 2010), Firenze, Italy, pp. 65-70, 2010.
doi: 10.1145/1878116.1878134

IC17   **Niewiadomski, R.,** Demeure, V., Pelachaud, C., Warmth, Competence, Believability and Virtual Agents, in Proceedings of the 10th International Conference on Intelligent Virtual Agents, Volume 6356 LNAI, Philadelphia, USA, pp. 272-285, 2010.
doi: 10.1007/978-3-642-15892-6_29
Best Paper Award, (Acceptance rate 23%)

IC16   Ochs, M., **Niewiadomski, R.,** Pelachaud, C., How a Virtual Agent Should Smile? - Morphological and Dynamic Characteristics of Virtual Agent's Smiles, in Proceedings of the 10th International Conference on Intelligent Virtual Agents, Volume 6356 LNAI, Philadelphia, USA, pp. 427-440, 2010.
doi: 10.1007/978-3-642-15892-6_47
(Acceptance rate 23%)

IC15   Urbain J., Bevacqua E., Dutoit T., Moinet A., **Niewiadomski R.,** Pelachaud C., Picart B., Tilmanne J., Wagner J., The AVLaughterCycle database, in Proceedings of The seventh international conference on Language Resources and Evaluation (LREC 2010), Malta, pp. 2996-3001, 2010.
ISI: 000356879507128

IC14   **Niewiadomski R.,** Hyniewska S., Pelachaud C., Introducing Multimodal Sequential Emotional Expressions for Virtual Characters, in Proceedings of International Conference on Kansei Engineering and Emotion Research (KEER 2010), Paris, France, pp. 1041-1050, 2010.

ISBN: 978-4-9905104-0-4

IC13   Bleackley P., Hyniewska S., **Niewiadomski R.**, Pelachaud C., Price M., Emotional Interactive Storyteller System, in Proceedings of International Conference on Kansei Engineering and Emotion Research (KEER 2010), Paris, France, pp. 1716-1726, 2010.
ISBN: 978-4-9905104-0-4

IC12   **Niewiadomski, R.**, Hyniewska, S., Pelachaud, C., Evaluation of Multimodal Sequential Expressions of Emotions in ECA, in Proceedings of Third International Conference on Affective Computing and Intelligent Interaction (ACII 2009), Amsterdam, Holland, pp. 635-641, 2009.
doi: 10.1109/ACII.2009.5349569
(Acceptance rate 38%)

IC11   **Niewiadomski, R.**, Hyniewska, S., Pelachaud, C., Modeling emotional expressions as sequences of behaviors, in Proceedings of the 9th International Conference on Intelligent Virtual Agents, Volume 5773 of the series Lecture Notes in Computer Science, Amsterdam, Holland, pp. 316-322, 2009.
doi: 10.1007/978-3-642-04380-2_34

IC10   **Niewiadomski, R.**, Bevacqua, E., Mancini, M., Pelachaud, C., Greta: an interactive expressive ECA system, in Proceedings of the Eighth International Conference on Autonomous Agents and Multiagent Systems, Budapest, Hungary, pp. 1399-1400, 2009.
Scopus: 2-s2.0-84899879453
ISBN: 978-0-9817381-7-8

IC9   Urbain, J., Dupont, S., Dutoit, T., **Niewiadomski, R.**, Pelachaud, C., Towards a virtual agent using similarity-based laughter production, Interdisciplinary Workshop on Laughter and other Interactional Vocalisations in Speech, Berlin, Germany, February 27-28, 2009.

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.
doi: 10.1007/978-3-540-85483-8_4

IC7   **Niewiadomski, R.**, Pelachaud, C., Fuzzy Similarity of Facial Expressions of Embodied Agents, in Proceedings of the 7th International Conference on Intelligent Virtual Agents, Lecture Notes in Computer Science, Volume 4722, Paris, France, pp. 86-98, 2007.
doi: 10.1007/978-3-540-74997-4_9

IC6   **Niewiadomski, R.**, Pelachaud, C., Model of Facial Expressions Management for an Embodied Conversational Agent, in Proceedings of Second International Conference on Affective Computing and Intelligent Interaction (ACII'2007), Lecture Notes in Computer Science, Volume 4738, Lisbon, Portugal, pp. 12-23, 2007.
doi: 10.1007/978-3-540-74889-2_2
(Acceptance rate 41 %)

IC5   Bevacqua, E., Mancini, M., **Niewiadomski, R.**, Pelachaud, C., An expressive ECA showing complex emotions, in Proceedings of the AISB Annual Convention, Newcastle, UK, pp. 208-216, 2007.

IC4   Buisine, S., Abrilian, S., **Niewiadomski, R.**, Martin, J.-C., Devillers, L., Pelachaud, C., Perception of Blended Emotions: From Video Corpus to Expressive Agent, in Proceedings of the 6th International Conference on Intelligent Virtual Agents, Lecture Notes in Computer Science, Volume 4133, Marina del Rey, USA, pp. 93-106, August 2006.
doi: 10.1007/11821830_8
Best Paper Award

IC3   Ochs, M., **Niewiadomski, R.**, Pelachaud, C., Sadek, D., Intelligent Expressions of Emotions, in Proceedings of the First International Conference on Affective Computing and Intelligent Interaction ACII, Lecture Notes in Computer Science, Vol. 3784, China, pp. 707-714, October 2005.
doi: 10.1007/11573548_91

IC2   Milani, A., Morici, C., **Niewiadomski, R.**, Fuzzy Matching of User Profiles for a Banner Engine, Proceeding of the ICCSA 2004, Volume 3045 of the series Lecture Notes in Computer Science, May 14-17, Assisi, Italy, pp. 433-442, 2004.
doi: 10.1007/978-3-540-24767-8_45

IC1   Morici, C., **Niewiadomski, R.**, A framework for a personalized advertising on Web based on maximal fuzzy similarity in Lukasiewicz structure, in Proceedings of the Tenth International Conference on Information Processing and Management of Uncertainty (IPMU 2004), Perugia, Italy, July 4-9, 2004.

Refereed papers in national conference and workshop proceedings (5)

NC5   Ochs, M., Bevacqua, E., Prepin, K., Le, Q.A., Ding, Y., Huang, J.-F., **Niewiadomski, R.**, Pelachaud, C., La compréhension de la machine à travers l'expression non-verbale, III : Intercompréhension - de l'intraspécifique à l'interspécifique, Nantes, France, 2011.

NC4   Urbain J., Bevacqua E., Dutoit T., Moinet A., **Niewiadomski R.**, Pelachaud C., Picart B., Tilmanne J., Wagner J. La base de données AVLaughterCycle, Les Journées d'Etude sur la Parole (JEP2010), Mons, pp. 61-64, 2010.

NC3   **Niewiadomski, R.**, Ochs, M., Pelachaud, C., Using facial expressions to display empathy in ECAs, in Speech and Face to Face Communication Workshop, Grenoble, France, 27-29 October 2008.

NC2   Mancini, M., **Niewiadomski, R.**, Bevacqua, E., Pelachaud., C. Greta: a SAIBA compliant ECA system, in Troisiéme Workshop sur les Agents Conversationnels Animés WACA 08, Paris, France, 27-28 November 2008.

NC1   Buisine, S., **Niewiadomski, R.**, Martin, J.C., Devillers, L., Pelachaud, C., Perception d'Emotions Mélangées : Du Corpus Vidéo à l'Agent Expressif, in Workshop sur les Agents Conversationnels Animés WACA 06, Toulouse, France, 2006.

Others

O6   Urbain, J, **Niewiadomski, R.**, Hofmann, J., Bantegnie, E., Baur, T., Berthouze, B., Cakmak, H., Cruz, T., Dupont, S., Geist, M., Griffin, H., Lingenfelser, F., Mancini, M., Miranda, M., Mckeown, G., Pammi, S., Pietquin, O., Piot, B., Platt, T., Ruch, W., Sharma, A., Volpe, G., Wagner, J., Proceedings of the 8th International Summer Workshop on Multimodal Interfaces, eNTERFACE 13, Metz, France, 2012.

O5   Chauveau, L., **Niewiadomski, R.**, Pelachaud, C., Animation faciale de séquences de rire pour des ACAs, journée de travail "Agents Conversationnels Animés", Paris, France, 22 November 2011.

O4   Pelachaud C., **Niewiadomski R.**, Ochs, M., Introducing Greta: a real-time three dimensional embodied conversational agent, 7tH International Conference of Hands on! Paris, France, 3-6 November 2009.

O3   Urbain, J., Bevacqua, E., Dutoit, T., Moinet, A., **Niewiadomski, R.**, Pelachaud, C., Picart, B., Tilmanne, J., Wagner, J., AVLaughterCycle: An audiovisual laughing machine, Proceedings of the 5th International Summer Workshop on Multimodal Interfaces, eNTERFACE 09, Genoa, Italy, 2009.

O2   Bevacqua, E., Prepin, K., de Sevin, E., **Niewiadomski, R.**, Pelachaud, C., Reactive behaviors in SAIBA architecture, Towards a Standard Markup Language for Embodied Dialogue Acts Workshop held in conjunction with AAMAS 2009, Budapest, Hungary, 2009.

O1   **Niewiadomski, R.**, Ochs, M., Pelachaud, C., Sadek, D., Social Context Based Emotion Expression, 3rd HUMAINE EU Summer School, Casa Paganini-InfoMus Lab, DIST, University of Genoa, Italy, 22-28 September, 2006.