Jean-Claude MARTIN

CV (in French) :
https://docs.google.com/document/d/14sx1Hw2wurtaXvzDrcro_ZVZ8BMM0jtHh-xcve6vpM/edit?usp=sharing

Publications : see below

Research on Social and Affective Multimodal Interaction in Humans and in Artificial Agents

- I am Professor of Computer Science (1st class: PR1) at Université Paris Sud, France.
- I conduct my research at LIMSI-CNRS where I head a team of researchers in Psychology and researchers in Computer Sciences.
- My research domain is Social and Affective Multimodal Interaction in Humans and in Machines.
- I work in several application areas related to social skills and motor training: autism ; job and medical interviews ; virtual coaches ; leadership and teamwork ; stress management ; sports and e-Health with wearables.
- The research questions that I consider about how we interact with a human or virtual partner are: How does context impact the way we interpret non-verbal expressions of affects displayed by our interactive partners? How does social training combine with the training of other skills (eg. motor skills, technical skills)? How do individual differences impact affective nonverbal interaction? How can the use of information technology can be useful for training of socio-affective competences and improve well being of individuals (students, workers, job applicants, people with social disorders, autistic people, …) ? What is the impact of various modalities (facial expressions, gestures, gaze...), embodiments and relations to bodies (self perception and movement, virtual bodies, haptics, social robots) on this training?
- I am supporting pluridisciplinary cooperations: HCI (virtual agents, social robots, wearables, affect aware systems and devices), Psychology, Psychopathology, Neurosciences, Sport and movement sciences, Human resources.

I am Editor-in-Chief of the Springer Journal on Multimodal User Interfaces (2017 Impact Factor = 1.141).

I have supervised and co-supervised 14 defended PhD theses (+ 2 which are on-going).
I am also:

- Membre du Comité de Suivi de la Fondation Individualisée John Bost pour la Recherche 
- Membre nommé de la section 07 du CoNRS (Comité National de la Recherche Scientifique) 

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**Publications by Jean-Claude MARTIN**

- Updated on November 5th 2018
- Google scholar: 3876 citations, h-index = 31 
- Research gate: 237 publications, 2401 Citations 
  [https://www.researchgate.net/profile/Jean-Claude_Martin](https://www.researchgate.net/profile/Jean-Claude_Martin)

**Recent**

1. Hemamou, L., Felhi, G., Vandenbussche, V., Martin, J.-C., Clavel, C. (accepted) 
   **Thirty-Third AAAI Conference on Artificial Intelligence (AAAI-19).** Acceptance rate = 16.2%

   Modelling Emotional Valence Integration from Voice and Touch 
   **Frontiers in Psychology, section Perception Science**
   [WEB](http://www.frontiersin.org/articles/10.3389/fpsyg.2018.02431)

   Invited Keynote. **UBICOMP’2018 Workshop on Wearable and Embodied Conversational Agents.** October 12, 2018, Singapore

   WEnner: A Theoretically Motivated Approach for Tailored Coaching about Physical Activity. 
   **ACM UBICOMP 2018 Workshop on Wearable and Embodied Conversational Agents.** 
   [https://sites.google.com/view/ubiquitous-chatbots/](https://sites.google.com/view/ubiquitous-chatbots/)

   How to Personalize Conversational Coaches for Stress Management?. 

   Chapter 9: How do Users Perceive Multimodal Expressions of Affects? 
   [https://dl.acm.org/citation.cfm?id=3107990](https://dl.acm.org/citation.cfm?id=3107990)
Rapid Facial Reactions in response to facial expressions of emotion displayed by real vs. virtual faces.  
i-Perception  

Agents virtuels pour l'apprentissage de compétences sociales dans l'autisme : une revue.  

Affective Communication through Air Jet Stimulation: Evidence from Events-Related Potentials.  
International Journal of Human-Computer Interaction.

Tailored, Multimodal and Opportune Interactions on a Wearable Sport Coach: The WE-nner Framework.  


http://workshopcihai2017.doc.ic.ac.uk/


International Journals

Haptic Expression and Perception of Spontaneous Stress.  
IEEE Transactions on Affective Computing.

Combining facial expression and touch for perceiving emotional valence.  
Gaze Leading is Associated with Liking.
**Acta Psychologica**. Volume 173, February 2017, Pages 66–72
[Impact Factor 2015: 1.816]
WEB

The Awareness of Joint Attention: a Study Using Gaze Contingent Avatars
**Interaction Studies | Social Behaviour and Communication in Biological and Artificial Systems.**
[Impact Factor = 0.535]

Measuring Chronic Regulatory Focus with Proverbs: the Developmental and Psychometric Properties of a French Scale
[Impact Factor: 1.946] WEB

Suppression of Facial Mimicry of Negative Facial Expressions in an Incongruent Context.
**International Journal of Psychophysiology.**
[Impact Factor 2015 = 2.596]

Impact of Elicited Mood on Movement Expressivity during a Fitness Task.
**Journal Human Movement Science** 49:9-26, October 2016. DOI: 10.1016/j.humov.2016.05.009
[Impact Factor: 1.60]

Impact of Sensory Preferences of Individuals with Autism on the Recognition of Emotions Expressed by Two Robots, an Avatar, and a Human.
**Journal Autonomous Robots** · May 2016. · DOI: 10.1007/s10514-016-9575-z
[Impact Factor = 2.07]

Patients with schizophrenia are less prone to interpret virtual others' empathetic questioning as helpful.
http://dx.doi.org/10.1016/j.psychres.2016.05.022,
[Impact Factor 2015: 2.466]

Predicting a Failure of Public Speaking Performance Using Multidimensional Assessment.

How and why affective and reactive virtual agents will bring new insights on social cognitive disorders in schizophrenia? An illustration with a virtual card game paradigm.
*Frontiers in Human Neurosciences*
[Impact Factor = 2.9]


Haptic Communication of Dimensions of Emotions using Air Jet Based Tactile Stimulation.
*JMUI (Journal on Multimodal User Interfaces)*, Special issue “Best of affective computing and intelligent interaction 2013 in multimodal interactions”. Volume 9, Issue 1, March 2015. Pages 69-77
[Impact Factor = 0.83]

Joint Attention Simulation using Eye-Tracking and Virtual Humans.
*IEEE TAC (Transactions on Affective Computing)*
Issue 3 - July-Sept. (vol. 5), pp. 238-250
[Impact Factor = 3.466]

The Impact of Combining Kinesthetic and Facial Expression Displays on Emotion Recognition by Users.
[Impact Factor = 0.723]

Global stress response during a social stress test: impact of alexithymia and its subfactors.
*Psychoneuroendocrinology*
08/2014; 50C:53-61.
[Impact Factor = 5.591]

The role of body posture in the recognition of emotion in contextually-rich scenarios.
*IJHCI (International Journal of Human-Computer Interaction)*, July 2013
[Impact Factor = 1.131]

ARMEN: Assistive robotics to maintain elderly people in natural environment.
[Impact Factor = 0.398]


**Edited Books**


**Book Chapters**


National Journals

1. C. Clavel, L. Philip, D. Gomez Jauregui, S. Padovani, J-C. Martin, Usage des nouvelles technologies pour étudier les apprentissages scolaires et les favoriser, Enfance, 2015, n°1, 15-34, DOI : 10.4074/S0013754515001032


3. TSI ACA Annelies

4. TSI ACA Affective Avatars

5. TSI numéro spécial editorial


Invited talks

Université de Picardie Jules Vernes, Amiens, 2016-04-02

Conférences internationales et workshops à comité de lecture et actes publiés


2016

1. N. Fourati, A. Richard, S. Caillou, N. Sabouret, J-C. Martin, É. Chanoni, C. Clavel, Facial Expressions of Appraisals displayed by a Virtual Storyteller for Children, 16th International Conference on Intelligent Virtual Agents (IVA 2016), Los Angeles, USA, 20/09 au 23/09, 2016, 10

2015


4. C. Faur, P. Caillou, J-C. Martin, C. Clavel, A Socio-cognitive Approach to Personality: Machine-learned Game Strategies as Cues of Regulatory Focus, 6th International Conference on Affective Computing and Intelligent Interaction (ACII 2015), Xi’an, China, 21/09 au 24/09, 2015, 581-587


2014


2013


10. O. Lebec, M. Ben Ghezala, V. Leynart, I. Laffont, C. Fattal, L. Devillers, C. Chastagnol, J-C. Martin, Y. Mezouar, H. Korrapatti, V. Dupourque, C. Leroux, High level functions for the intuitive use of an assistive robot, 13th International Conference on Rehabilitation Robotics (ICORR 2013), Seattle, 24/06 au 26/06, 2013, 6p

2012


2011

ACII 2011 Patricia


2010


2009


2008


2007


2006

2005


Conférences nationales à comité de lecture et actes publiées


1. ACAPS
2. ACAI
3. III Caroline


Colloques internationaux à comité de lecture mais sans actes publiées

2. T. Giraud, V. Demulier, F. Focone, B. Isableu, J-C. Martin, A protocol for studying the impact of positive vs. negative emotions on a predefined sequence of full-body movements, 5th Consortium of European Research on Emotion Conference (CERE 2014), Berlin, Deutschland, 27/03 au 28/03, 2014, 1
3. T. Giraud, F. Focone, B. Isableu, J-C. Martin, V. Demulier, Toward an expressive virtual coach:
fitness movements in emotional and motivational contexts, CHI Workshop on HCI and sports, Toronto, ACM, 2014

1. Malta Symposium
3. AIIDE 2013 Cheikh
4. ICMI Challenge David
6. Haptic Symposium
7. ICDVRAT 2012
8. IFMAR 2014, 2013
9. ISSP 2013 Ning Tan
12. HCII 2009
13. ICMI AFFINE 2009 Berthouze
14. ICMI AFFINE 2009 CARE
15. ICMI 2009 Matthieu
16. IEEE WACI 2009
17. WIAMIS
18. WS LAW


Colloques nationaux à comité de lecture et actes publiées

1. N. Fourati, N. Sabouret, C. Clavel, A. Richard, É. Chanoni, J-C. Martin, How an expressive virtual storyteller for children should express emotions?, Workshop Affects, Compagnons Artificiels et Interaction (WACAI 2016), Brest, France, 13/06 au 14/06, 2016, 6
2. F. Pécune, C. Faur, M. Ochs, C. Clavel, C. Pelachaud, J-C. Martin, Modélisation de l'influence de la personnalité d'un compagnon artificiel sur ses attitudes sociales, Workshop Affects, Compagnons Artificiels et Interaction (WACAI 2014), Rouen, 30/06, 6
3. Y. Bellik, A. Braffort, J-C. Martin, A. Max, Les projets de recherche en lien avec le handicap du LIMSI-CNRS, 1er colloque Handiversité, Supélec, Gif-sur-Yvette, 20/11/2014
7. CONFERE 2013 Chloé
8. SELF 2013 Chloé
9. WACI 2013 MOCA
10. WACA 2010 TDA

Colloques nationaux à comité de lecture sans actes publiées

1. ALPINE WS 2013
2. GT ACA Matthieu 2009
3. GT ACA Yun 2009

Vulgarisation

1. AIESME
2. Anvil Review


Publications

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Cours java : POUR LES ETUDIANTS

NEWS

- 2016-10-05 : talk at the University of California at Santa Cruz: “Affective Multimodal Interaction and Stress”
- 2016-09-01 : Member of the National Committee of Research (CNRS) Section 7: Sciences de l'information: signaux, images, langues, automatique, robotique, interactions, systèmes intégrés matériel-logiciel
- 2016-05-12 : Accepted paper Pauline Chevalier Jean-Claude Martin; Brice Isableu, Prof; Christophe Bazile; Adriana Tapus (accepted) Impact of Sensory Preferences of Autistic Users on the Recognition of Emotions Expressed by two Robots, an Avatar and a Human. Springer Journal of Autonomous Robot (AURO). Impact Factor 2014 = 2.066
- 2016-05-11 : Accepted paper Pauline Chevalier*, Jean-Claude Martin, Brice Isableu, David-Octavian Iacob, Christophe Bazile, Adriana Tapus (accepted) Joint Attention with a Robot: Impact of Sensory Preferences of Children with Autism. Accepted at the IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN 2016) (Acceptance rate for full paper : 47%)
- 2016-04-02 : Conférence invitée à la Journée Mondiale sur l'Autisme “Regards et perspectives sur les nouvelles technologies”, Université de Picardie Jules Vernes, Amiens
- Master lectures: FOR STUDENTS
- 2015-12-11 : De l'empathie pour les robots ? Oui, ils peuvent devenir des êtres sociaux L'OBS Le Plus
- 2015-11-27 : Co-organisation of the FEDEV Workshop on Movement Sciences, Orsay
- 2015-11-20 : Invited talk at COGITER (Réseau en Ingénierie Cognitive), Lille, 20 Novembre 2015
- 2015-10-30 : paper on the ICSR conference in Sciences et Avenir
- 2015-10-26 Organisation of the International Conference on Social Robotics ICSR’2015 with Springer proceedings

Laboratoire d'informatique pour la mécanique et les sciences de l'ingénieur - https://perso.limsi.fr/wiki/
- 2015-06-04 Invited talk at the EIAH'2015 Conference
- 2015-03-29 Invited talk at the IUI'2015 Symposium on Interacting with Smart Objects

**Research**

**PhD position offer**

- Head of the group "Cognition, Perception, Use" (CPU) at LIMSI-CNRS with researchers from Psychology, Computer Sciences and Ergonomics
- Editor-in-Chief of the Springer Journal on Multimodal User Interfaces (JMUI) 2016 Impact Factor = 1.031
- Supervision of 14 defended PhD theses + 2 on-going PhD theses
- Best Paper Award at UBICOMP 2013 with MIT
- Habitation à Diriger des Recherches en Informatique, Université Paris Sud, Décembre 2006
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**CV**

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**Research**

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**Teaching / Enseignement**

Go to my teaching page

Jean-Claude Martin, chm, portail