Mehdi Ammi
French citizen, married, two children
Date of Birth: 06/02/1978

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January 2021

Appointments

2019-	**:**	**Invited Professor**, University of Quebec at Chicoutimi
2019-	**:**	**Full Professor**, University of Paris 8 / Computer Sciences Laboratory of Saint-Denis (LIASD).
2006-2018:		**Associate Professor**, University of Paris-Sud / Computer Sciences Laboratory for Mechanics and Engineering Sciences (LIMSI-CNRS).
2005-2006:		**Temporary Lecturer and Research Assistant**, Ecole Nationale Supérieure d'Ingénieur de Bourges / Vision and Robotics Laboratory (LVR).
2002-2001:		**Master II Internship**, Ecole des Mines de Paris / CAOR.
1999-2000:		**Engineer Internship**, University of Sciences and Technology Houari Boumediene, Computer Science department.

Education

2013	**:**	**Habitation,** University of Paris-Sud / LIMSI-CNRS.
2002–2005:		**Ph.D**., University of Orléans / LVR.
2001–2002:		**Master's degree** / University of Evry Val d'Essonne / Master II of Virtual Reality and Complex Systems.
1995–2000:		**Engineer's degree** in Electronics & Instrumentation, University of Sciences and Technology Houari Boumediene.

Administrative and pedagogical duties

2020-	**:**	Educational manager, Master 2 Engineering in Artificial Intelligence, Department of Computer Science, Univ. of Paris 8.
2019-2020:		Educational manager, Bachelor's degree in Computer Science, Department of Computer Science, Univ. of Paris 8.
2018-2019:		Vice-President in charge of budget, Department of Computer Science, Univ. of Paris-Sud.
2011-2014:		In charge of the 5th year of the computer science cooperative engineering program, Polytech'Paris-Sud.
2010-2015:		In charge of the pedagogic platform for virtual reality teachings, Polytech'Paris-Sud and Faculty of Science of Orsay.
2010-2011:		In charge of the three years of the computer science cooperative engineering program, Polytech'Paris-Sud.
2009-2010:		In charge of the computer science continuing education program, Polytech'Paris-Sud

Scientific duties

2020-	**:**	Member of the executive board of IEEE Engineering in Medicine and Biology Society/French Chapter (secretary since 01/2021)
2017-2018:		Head of E-Health Working Group, Digicosme.

2010-2018:	Head of HAPCO team / LIMSI-CNRS.
2015-2018:	Vice-chair for Publication at IEEE Technical Committee on Haptics (IEEE TCH).
2015-2017:	Member of the Scientific Committee of the French Associations for Rapid Prototyping (AFPR).
2012-2014:	Vice-chair for Industrial Relationship at the IEEE Technical Committee on Haptics (IEEE TCH).
2012-2014:	Leader of the EuroVR Special Interest Group on Haptics (EuroVR Haptic SIG)
2009-2012:	Vice-leader of the EuroVR Special Interest Group on Haptics (EuroVR Haptic SIG).

Membership of professional societies

- French Virtual Reality Association (AFRV).
- European Association for Virtual Reality and Augmented Reality (EuroVR).
- EuroHaptics Society (EuroHaptics).
- French Associations for Rapid Prototyping (AFPR).
- Smart Buildings Alliance (SBA).

Projects and collaborations

1. **MLmeca** (2020-2023), "Machine Learning based 3D simulation for electricity transmission network", Industrial collaboration, LIASD-LAGA/RTE, scientific coordinator (114k€)
2. **CPlay** (2020-2023), "Tools for the functional rehabilitation of the upper limb for children with cerebral palsy and related disorders", ANR funding, LIASD-LAGA/Fond. Ellen-Poidatz/Fond. Hopale/CEA-LIS/Dynseo, scientific coordinator (141k€)
3. **iHeartWatch** (2020-2023), "Artificial Intelligence for Pulse wave signal analysis", Industrial collaboration and CIFRE, Univ. Paris 8/Axelife, scientific coordinator (45 k€).
4. **AGTech**, (2019-2020), "Artificial Intelligence and IoT for food food industry", Industrial collaboration, Univ. Paris 8/VITAGORA, scientific coordinator (20 k€).
5. **SMOKE**, (2018-2020), "Smoking Cessation with Smart Cigarettes", Industrial collaboration, LIMSI/ENOVAP, scientific coordinator (50 k€).
6. **iDAIB**, (2017-2020), "Internet of Things for diabetic patients monitoring", Digicosme funding, LIMSI/Telecom SudParis, scientific coordinator (118 k€).
7. **TextSensor,** (2017-2018), "Design of Smart Textile", PREMATURATION IDEX Paris-Saclay, partner (45 k€).
8. **P-TRONICS**, (2016-2018), "Printed Mechatronics", Maturation SATT Paris-Saclay funding, LIMSI, scientific coordinator (470 k€).
9. **3D RENO 2,** (2014-2018), "Interactive platform for building renovation", Industrial collaboration and CIFRE, LIMSI/Rénovation Plaisir Energie (RPE), scientific coordinator (100 k€).
10. **PINO 2**, (2016-2017), "3D Printing of Interactive Objects: Software interface", AIMA BPI funding, LIMSI, scientific coordinator (25 k€).
11. **EGG,** (2015-2018), "Internet of Things for energy management in smart building", Industrial collaboration, LIMSI/Rénovation Plaisir Energie (RPE), scientific coordinator (460 k€).
12. **Heroes,** (2015-2018), "Haptic Emotional Robot Experiments with Sensitive body", Digiteo funding, ENSTA/LIMSI/CEA-LIST, partner (110 k€).

13. **iRON,** (2015-2018): Internet of Things for post-stroke rehabilitation at home, LIMSI/CEA-LIST, "Institut Société Numérique" funding, scientific coordinator (107 k€).
14. **3D RENO,** (2014-2018), "Interactive platform for building renovation", Industrial collaboration, LIMSI/Rénovation Plaisir Energie (RPE), scientific coordinator (370 k€).
15. **PINO,** (2014-2015), "3D Printing of Interactive Objects: concept prototype", PREMATURATION IDEX Paris-Saclay, scientific coordinator (70 k€).
16. **Touch,** (2013-2014), "Study of air jet tactile stimulation", IEEE TCH funding, scientific partner (4 k€).
17. **HumanTouch,** (2012–2015), "Non-contact haptic communication of emotions", Digiteo funding, LIMSI/ISIR, scientific coordinator (115 k€).
18. **Fresco,** (2011–2014), "Frames of reference in spatial cognition", ANR funding, LIMSI/Oxford Univ./Institut Nicod, scientific partner (170 k€).
19. **Fluctus,** (2010–2013), "Interactive detection and identification of Lagrangian structures", Digiteo DIM LSC funding, LIMSICNRS/LRI, scientific partner (130 k€).
20. **HAIR,** (2012-2013), "Non-contact Haptic stimulation", LIMSI-CNRS/ISIR, CNRS funding, scientific coordinator (10 k€).
21. **Canal Haptique,** (2010–2011), "Haptic telepresence", OSEO funding, scientific coordinator (35 k€).
22. **INTUITION** (2004-2008), Network of Excellence on Virtual Reality and Virtual Environments Applications for Future Workspaces, 6th Framework of the European Commission funding, scientific partner (5 k€).
23. **H-CVE,** (2007-2008), "Haptic interaction in collaborative Virtual environments", University of Paris-Sud BQR funding, scientific coordinator (10 k€).
24. **Tele Nano Drive,** (2004-2005), "Remote navigation in a nanoenvironment", Franco-Spanish Project, University of Saragossa & University of Orléans funding, scientific partner (30 k€).

Post-docs/Engineers

- Hamdi Amroun (2020-), Post-doc.
- Vincent Janiak (2017-2018), R&D engineer.
- Paul Issartel (2016-2018), R&D engineer.
- Mohamed Yacine Tsalamlal, (2016-2018), R&D engineer.
- Inaki Guillen (2015-2016), R&D engineer.
- Adile Sellami (2015-2017), R&D engineer.
- Julien Christophe (2015-2017), R&D engineer.
- Thomas Ricordeau (2015-2017), R&D engineer.
- Florian Langnos (2015-2016), Post-doc.
- Vincent Munsch (2013), R&D engineer.
- Abdelahmid Drif (2007-2008), Post-doc.

Ph.D. students

- Serena Zanelli (2020-): 50% Mehdi Ammi, 50% Mounîm El Yacoubi (Telecom SudParis)
- Sylvain Famié (2017-): 40% Mehdi Ammi, 60% Michel-Ange Amorim (CIAMS)
- Maxime De Bois (2017-2020): 50% Mehdi Ammi, 50% Mounîm El Yacoubi (Telecom SudParis)
  - o R&D engineer at PandaScore
- Xiyao Wang (2017-2020): 30% Mehdi Ammi, 70% Tobias Isenberg (INRIA)
- Jean-Batiste Corrégé (2016-2018): 40% Mehdi Ammi, 60% Céline Clavel (LIMSI/CPU)

- o Post-doc at Université Rennes II
- Adrien Arnaud (2016-2018): 40% Mehdi Ammi, 60% Michel Gouiffes (LIMSI/AMI)
  - o R&D engineer at AGENIUM SCALE
- Hamdi Amroun (2015-2018): 50% Mehdi Ammi, 50% Nizar Ouarti (IPAL/Singapour)
  - o R&D engineer at SAP.
- Pierre-Henri Orifice (2015-2018): 30% M. Ammi, 30% M. Hafez (CEA), 40% A. Tapus (ENSTA)
  - o R&D engineer at CEA
- Maxence Bobin (2015-2018): 40% M. Ammi, 30% M. Anastassova (CEA), 30% M. Boukhallel (CEA)
  - o R&D engineer at EDF lab.
- Lonni Besançon (2014-2017) : 40% Mehdi Ammi, 60% Tobias Isenberg (INRIA)
  - o Post-doc at Linköping University (Sweden)
- Paul Issartel (2013-2017): 50% Mehdi Ammi, 50% Florimond Gueniat (USF/USA)
  - o R&D engineer.
- Mohamed Yacine Tsalamlal (2012-2016): 60% Mehdi Ammi, 20% Nizar Ouarti (IPAL/Singapour), 20 % Jean-Claude Martin.
  - o R&D engineer at EDF.
- Yoren Gaffary (2011-2015): 80% Mehdi Ammi, 20 % Jean-Claude Martin (LIMSI/CPU).
  - o R&D engineer at INRIA Rennes.
- Adrien Girard (2010-2014): 60% Mehdi Ammi, 20% Malika Auvray (LIMSI/CPU), 20% Yacine Bellik (LIMSI/AMI).
  - o R&D engineer at CEA.
- Florimond Gueniat (2010-2013): 40% Mehdi Ammi, 40% Luc Pastur (LIMSI/AERO), 20% Fraçois Lusseyran (LIMSI/AERO).
  - o Associate professor at Birmingham City University (UK)
- Jean Simard (2008-2012): 80% Mehdi Ammi, 20% Philippe Tarroux (LIMSI/CPU).
  - o Engineer at Hubware (USA).
- Bob Menelas (2007-2010): 60% Mehdi Ammi, 40% Patrick Bourdot (LIMSI/VENISE).
  - o Professor at Université du Québec à Chicoutimi (Canada).
- Flavien Picon (2006-2010): 50% Mehdi Ammi, 50% Patrick Bourdot (LIMSI/VENISE).
  - o Technical Account Manager, Epic Games.

Master students

- Youness El Marhraoui (2020-2021)
- Benjamain Adjag (2019-2020)
- Bilal Haddouche (2018-2019)
- Mohamed-Amine Kaced (2018-2019)
- Sylvain Famié (2016-2017)
- Maxime Debois (2016-2017)
- Jonathan Fourneau (2016-2017)
- Wissam Maamar Kouadri (2016-2017)
- Marie Cheng (2016-2017)
- Yang Chen (2016-2017)
- Sylvain Famié (2015-2016)
- Nicolas Bougie (2015-2016)

- Jean-Baptiste Corrégé (2014-2015).
- Adrien Arnaud (2014-2015).
- Maxence Bobin (2014-2015).
- Sariah Mghames (2014-2015).
- Julien Christophe (2013-2014).
- Loïc Becquet (2013-2014).
- Marc Lema (2013-2014).
- Vincent Munsch (2012-2013).
- Paul Issartel (2012-2013).
- Mohamed Yacine Tsalamlal (2011-2012).
- Yoren Gaffary (2010-2011).
- Florimond Gueniat (2009-2011).
- Adrien Girard (2009-2011).
- Wu Han (2010-2011).
- David Bonnet (2009-2010).
- Nicolas Cornuet (2008-2009).
- Jean Simard (2007-2008).
- M'hamed Settit (2007-2008).
- Berabeh Youcef (2007-2008).
- Bob Melenas (2006-2007).
- Ben-Hassen Slim (2006-2007).
- Laurent Ruffié (2005-2006).
- Gerchouche Rachid (2004-2005).
- Ouanezar Sofiane (2003-2004).
- Jebali Ilyes (2003-2004).

Chairing – Program committee - Editorial board - Organisation

Editorial board - Journals
- IEEE VR Journal Papers, Program committee board, 2018
- Frontiers in Human-Media Interaction, Review Editor, (2017-)
- ISTE OpenScience Internet of Things, Co-Editor (2016-)

Program committee
- Edge Computing Workshop (doors)
  o 2021
- International Conference on Haptics and Virtual Reality (ICHVR)
  o 2021
- International Conference on Internet of Things, Big Data and Security (IoTBDS)
  o 2020
- International Conference on Neural Information Processing (ICONIP)
  o 2019
- ACM Symposium on Virtual Reality Software and Technology (ACM VRST)
  o 2018, 2019, 2020
- IEEE International Conference on Intelligent Robots and Systems (IEEE IROS)
  o 2014, 2015, 2016, 2017

- ACM International Conference on Multimodal Interaction (ACM ICMI)
  - 2016, 2017, 2018, 2020
- IEEE Virtual Reality Conference (IEEE VR)
  - 2017, 2018, 2020, 2021
- IEEE Haptic Symposium (IEEE HS)
  - 2018, 2020
- International Conference on Virtual and Augmented Reality Simulations (ICVARS)
  - 2021
- Joint Virtual Reality Conference (JVRC) - EuroVR
  - 2014, 2015, 2016
- IEEE International Conference on Artificial Intelligence and Virtual Reality (IEEE AIVR)
  - 2018, 2020
- IEEE International Conference on Systems, Man, and Cybernetics (IEEE SMC), VR Track
  - 2017
- International Symposium on Visual Computing (ISVC)
  - 2018, 2019, 2020
- ACM Digital Tools & Uses Congress (ACM DTU)
  - 2018
- IEEE International Symposium on Robot and Human Interactive Communication (IEEE RO-MAN)
  - 2014
- IEEE Symposium on Haptic Audio Visual Environments and Games (IEEE HAVE)
  - 2011
- EuroHaptics
  - 2014
- International Conference on Computer-Human Interaction Research and Applications (CHIRA)
  - 2017, 2018, 2019
- International Conference on Human Computer Interaction Theory and Applications
  - 2017
- International Conference on Social Robotics (ISCR)
  - 2015
- Conférence Francophone sur l'Interaction Homme-Machine (IHM)
  - 2017
- International Conference on Ambient Computing, Applications, Services and Technologies (AMBIENT)
  - 2017, 2018, 2019
- Journées d'Etude sur la TéléSANté (JETSAN)
  - 2018, 2021
- International Conference on Neuroscience and Cognitive Brain Information (BRAININFO)
  - 2017, 2018
- International Conference on Universal Accessibility in the Internet of Things and Smart Environments (SMART ACCESSIBILITY)
  - 2018

- International Conference on Advanced Collaborative Networks, Systems and Applications (COLLA)
  - 2017, 2018, 2019
- International Conference on Advances in Human-oriented and Personalized Mechanisms, Technologies, and Services (CENTRIC)
  - 2017, 2018
- International Workshop on advances in ICT Infrastructures and Services (ADVANCE)
  - 2019
- International Conference on Advances in Human Machine Interaction
  - 2016
- Workshop on Visual Data Exploration on Interactive Surfaces, ITS
  - 2015
- International Workshop on Virtual and Augmented Reality dedicated to Molecular Science
  - 2015
- European Conference on Mobile Robots
  - 2015
- International Conference on Mapping and Remote Sensing (ICMRS)
  - 2017
- International Conference on Geoinformatics
  - 2016

Conferences and workshops organisation
- Journées d'Etude sur la TéléSANté (JETSAN), Paris, 2018
  - Organization committee
- ACM Digital Tools & Uses Congress, Track: Internet of Things Challenges: Technologies, usages and ethics, Paris, 2018
  - Co-chair
- IoTWorld/IoTLab, Paris, 2018
  - Co-chair.
- Journée E-Santé Paris-Saclay : La santé de demain, NanoInnov-Palaiseau, 2017
  - General chair
- Conférence de l'Internet des Objets : Nouveaux défis de l'Internet des Objets : technologie, usage et éthique, Fès-Maroc, 2017
  - General co-chair
- Open Source Innovation Spring: Journée Open source et sécurité pour l'internet des objets, Paris, 2017
  - General co-chair
- Journée Nationale de l'Internet des Objets : Nouveaux défis de l'Internet des Objets, NOKIA-Nozay, 2016
  - General co-chair
- IEEE Haptic Symposium, USA, 2016
  - Publicity chair
- International Conference on Social Robotics, Paris, 2015
  - Local organization committee
- IEEE Virtual Reality 2015, Arles-France
  - Web & media chair

- IEEE ICRA 2014, Workshop on Affective Haptics for Human-Robot Interaction
  - Co-chair
- EuroHaptics, Versailles, 2014
  - Communication chair & industrial chair
- Joint Virtual Reality Conference, 2012
  - Session chair
- Virtual Reality International Conference, Workshop "Haptics for Telepresence, Teleoperation and Collaborative Environments", Laval Virtual, 2011
  - Co-chair
- IEEE Symposium on Haptic Audio Visual Environments and Games, China, 2011
  - Session chair
- IEEE International Conference on Intelligent Robots and Systems, China, 2006
  - Session chair
- 6th Meeting of Microrobotics & Microrobotics RTP, Bourges, 2004
  - Organization committee

Reviewer – International journals & conferences

International journals
- IEEE Transactions on Robotics.
- IEEE Transactions on Haptics.
- IEEE Transactions on System Man and Cybernetics.
- IEEE Transactions on Visualization and Computer Graphics.
- Virtual Reality Journal (Springer Verlag).
- Journal on Multimodal User Interfaces (Springer Verlag).
- Journal of Micro-Nano Mechatronics (Springer Verlag).
- Journal on Multimodal User Interfaces (Springer Verlag).

International conferences
- IEEE International Conference on Robotics and Automation.
- IEEE International Conference on Intelligent Robots and Systems.
- IEEE Conference on Automation Science and Engineering.
- IEEE International Symposium on Robots and Human Interactive Communications.
- IEEE/RAS-EMBS International Conference on Biomedical Robotics and Biomechatronics.
- ACM/IEEE International Conference on Human-Robot Interaction.
- IEEE/ASME International Conference on Advanced Intelligent Mechatronics.
- IEEE Virtual Reality.
- ACM Virtual Reality Software and Technology.
- ACM Conference on Human Factors in Computing Systems.
- IEEE Haptics Symposium.
- IEEE WordHaptics.
- Eurohaptics.

Reviewer – Assistant professor positions

- MCF 61, École Nationale Supérieure des Arts et Industries Textiles (2017): poste 4021
- MCF 61, University of Pierre et Marie Curie (2014): poste 4208

- MCF 61, University of Pierre et Marie Curie (2014): poste 4264
- MCF 61, University of Pierre et Marie Curie (2013): poste 4140
- MCF 61, University of Evry Val d'Essonne (2012): poste 4027

Reviewer/Examiner – Habilitation/Theses

- Reyhaneh Raissi, ISIR, Sorbonne University (2021), Reviewer.
- Sorelle Audrey Kamkuimo Kengne, Université du Québec à Chicoutimi (2021), Reviewer.
- Omar Saadiyeh, LIASD, Univ. Paris 8 (2020), Mid-term these. Examiner
- Josué Melka, LIASD, Univ. Paris 8 (2020), Mid-term these. Examiner
- Abir Fathallah, Telecom ParisTech (2020), Mid-term these. Examiner
- Anne-Laure Guinet, IBISC, University of Evry Val d'Essonne (2020), Mid-term these, Examiner.
- Rahaf Rahal, INRIA/IRISA, INSA de Rennes, (2020), Examiner.
- Guillaume Bataille, IRISA, INSA de Rennes, (2020), Reviewer.
- Laure Leroy, Paragraphe, Université de Paris 8, 2020, Examiner (HDR).
- Rahaf Rahal, IRISA, Université de Rennes 1, (2020), Reviewer.
- Zhuoming Zhang, Telecom ParisTech (2020), Mid-term these. Examiner.
- Vizcay Sebastian, IRISA, Université Bretagne Loire (2020), Mid-term these, Examiner.
- Marc Teyssier, Telecom ParisTech (2020), Reviewer.
- Ludovic David, IBISC, University of Evry Val d'Essonne (2019), Reviewer.
- Chuang Yu, ENSTA ParisTech (2019), Mid-term these. Examiner.
- Sorelle Audrey Kamkuimo Kengne, Université du Québec à Chicoutimi (2019), Mid-term these. Examiner.
- David-Octavian Iacob, ENSTA ParisTech (2019), Reviewer.
- Christian Kahindo, Telecom SudParis (2019), Examiner.
- Rabah Syphas Benaoudia, Université du Québec à Chicoutimi (2019), Mid-term these. Examiner.
- Hela Sfar, Telecom SudParis (2019), Reviewer.
- Landry Chapwouo, Université du Québec à Chicoutimi (2018), Reviewer.
- Marc Teyssier, Telecom ParisTech (2018), Mid-term these. Examiner.
- Hela Sfar, Telecom SudParis (2018), Mid-term these. Examiner.
- David-Octavian Iacob, ENSTA ParisTech (2018), Mid-term these. Examiner.
- Adrien Verhulst, Ecole Centrale de Nantes, (2018), Reviewer.
- Merel Jung, University of Twente, (2017), Reviewer.
- Thibaut Jacob, Telecom ParisTech (2017), Examiner.
- Harald Zophoniasson, CEA-LIST, Ecole Polytechnique, (2017), Examiner.
- Merwan Achibet, IRISA, Université de Rennes 1, (2015), Examiner.
- Nicolas Soucies, ISIR, University of Pierre and Marie Curie, (2015) Reviewer.
- Lucie Brunet, CEA-LIST, University of Paris-Sud, (2014), Examiner.
- Anthony Talvas, IRISA, Université de Rennes 1, (2014), Reviewer.
- Benaoumeur Ibari, IBISC, University of Evry Val d'Essonne (2013), Mid-term these. Examiner
- Lucie Brunet, CEA-LIST, University of Paris-Sud, (2011), Mid-term these. Examiner

Reviewer – Projects

- HCERES, visiting committee: 2021
- Ecole Universitaire de Recherche ArTeC, EUR ArTeC call for proposals, reviewer: 2020
- Cap Digital expert (PSPC, ILP5, Innov'up, PIA, etc.): 2019, 2020.
- ECOS NORD MEXIQUE call for proposals: 2019.
- ANR
  - Generic call for proposals, scientific evaluation committee: 2021.
  - Generic call for proposals, reviewer, 2016, 2018, 2019, 2020
  - Young Researchers Programme, reviewer: 2015, 2016.
  - International Cross-Disciplinary Research, reviewer: 2010.
  - ANR-JST call for proposals, reviewer: 2019.
- Natural Sciences and Engineering Research Council of Canada (NSERC): 2018, 2019, 2020, 2021
- Angers TourismLab: 2017.
- IOTWorld, "IOT AWARDS": 2017, 2020
- NYU Abu Dhabi Institute: Research Programme, 2016.
- CEA-Enhanced Eurotalents: 2016.
- Singapore Academic Research Council: 2013.

Scientific Council

- Education board, Department of Physics, Télécom SudParis, Évry Val-d'Essonne, 2018
- Research board, Robotics and Production Division of Advanced Technologies Development Centre (CDTA/Algeria), 2018
- Scientific consultant, Direction Générale de l'Armement, 2017.
- Research board, Robotics and Production Division of Advanced Technologies Development Centre (CDTA/Algeria), 2015.

International journal publications (Peer reviewed)

[1]. M. De Bois, M. A. El Yacoubi, **M. Ammi**. "Adversarial multi-source transfer learning in healthcare: Application to glucose prediction for diabetic people. Computer Methods and Programs in Biomedicine (Elsevier), p. 105874. Volume 199, 2021,

[2]. M. De Bois, M. A. El Yacoubi, **M. Ammi**. "Enhancing the Interpretability of Deep Models in Heathcare Through Attention : Application to Glucose Forecasting for Diabetic People", International Journal of Pattern Recognition and Artificial Intelligence, 2020 (accepted).

[3]. Y. Gaffary, J-C. Martin, **M. Ammi**, "Haptic Expression and Perception of Spontaneous Stress", IEEE Transactions on Affective Computing, vol. 11, no. 1, pp. 138-150, 1 Jan.-March 2020, doi: 10.1109/TAFFC.2018.2830371.

[4]. X. Wang, L. Besançon, **M. Ammi**, T. Isenberg. Augmenting Tactile 3D Data Navigation With Pressure Sensing. Computer Graphics Forum, 38(3):635–647, June 2019.

[5]. M Bobin, F. Bimbard, M. Anastassova, M. Boukallel, **M. Ammi**, "SpECTRUM: Smart ECosystem for sTRoke patient's Upper limbs Monitoring", Smart Health (Elsevier) Volume 13, p. 100066, Aug.2019

[6]. M. Y. Tsalamlal, M.-A. Amorim, J.-C. Martin and **M. Ammi**, "Modelling Emotional Valence Integration from Voice and Touch", Frontiers in Psychology, Volume: 9, 1966. 2018, (IF: 2.32)

[7]. M Bobin, M. Anastassova, M. Boukallel, **M. Ammi**, "Design and study of a smart cup for monitoring the hand activity of stroke patients", IEEE Journal of Translational Engineering in Health and Medicine, Volume: 6, Issue:1, pp. 1-12, 2018.

[8]. A. Arnaud, M. Gouiffès, **M. Ammi**, "On the Fly Plane Detection and Time Consistency for Indoor Building Wall Recognition Using a Tablet Equipped With a Depth Sensor", IEEE Access, vol. 6, pp. 17643-17652, 2018 (IF: 3.24).

[9]. M.Y. Tsalamlal, W. Rizer, J-C Martin, **M. Ammi** and M. Ziat, "Affective Communication through Air Jet Stimulation: Evidence from Events-Related Potentials", International Journal of Human Computer Interaction (IJHCI), vol. 0, pp 1-12, 2018 (5-Year IF: 1.39).

[10]. H. Amroun, **M. Ammi**, Who used my smart object? a flexible approach for the recognition of users, IEEE Access, vol. 6, pp. 7112-7122, 2018 (IF: 3.24).

[11]. J.-B. Corrégé, C. Clavel, **M Ammi**, "Social norms from a goal-system point of view: Contributions of activity analysis", Basic and Applied Social Psychology, 4(2): 73-86 (2018), (IF: 1.81).

[12]. P. Issartel, L. Besançon, F. Gueniat, T. Isenberg, **M. Ammi**, "Analysis of Locally Coupled 3D Manipulation Mappings Based on Mobile Device Motion", Presence: 66–95, Winter 2017, (IF: 0.75).

[13]. J.-B. Corrégé, C. Clavel, J. Christophe, **M Ammi**, "Using Social Injunctive Norms to Nudge Users Towards Building Green Houses", PsyEcology. 0(0)1-26, 2017.

[14]. L. Besançon, P. Issartel, **M. Ammi**, T. Isenberg: Hybrid Tactile/Tangible Interaction for 3D Data Exploration. IEEE Trans. Vis. Comput. Graph. 23(1): 881-890 (2017), (IF: 2.84).

[15]. M. Y. Tsalamlal, M.-A. Amorim, J.-C. Martin and **M. Ammi**, "Combining facial expression and touch for perceiving emotional valence," IEEE Transactions on Affective Computing, PP(99): 1-12 (2016), (IF: 3.14).

[16]. **M. Ammi** and B. Katz, "Intermodal audio-haptic intermodal display: Improvement of communication and interpersonal awareness for collaborative search tasks", Springer journal of Virtual Reality, 19(3-4): 235-252 (2015), (IF: 0.62).

[17]. M. Y. Tsalamlal, N. Ouarti, J. C. Martin, **M. Ammi**: Haptic communication of dimensions of emotions using air jet based tactile stimulation. J. Multimodal User Interfaces 9(1): 69-77 (2015), (IF: 1.03).

[18]. **M. Ammi** and B. Katz, Intermodal audio-haptic metaphor: Improvement of target search in abstract environments, International Journal of Human Computer Interaction (IJHCI), Special issue "Does Touch Matter? The Effects of Haptic Visualization on Human Performance, Behavior and Perception", 30(11): 921-933 (2014), (5-Year IF: 1.39).

[19]. Y. Gaffary, V. Eyharabide, J-C. Martin, **M. Ammi**, The Impact of Combining Kinesthetic and Facial Expression Displays on Emotion Recognition by Users, International Journal of Human Computer Interaction (IJHCI), Special issue "Does Touch Matter?: The Effects of Haptic Visualization on Human Performance, Behavior and Perception", 30(11): 904-920 (2014), (5-Year IF: 1.39).

[20]. J. Simard, **M. Ammi**, A. Mayeur, "Comparative study of the bimanual and collaborative modes for closely coupled manipulations", Elsevier International Journal of Human-Computer Studies (IJHCS) 72(4): 408-421 (2014), (IF: 2.86).

[21]. Y. Gaffary, V. Eyharabide, J-C. Martin, **M. Ammi**, "Clustering Approach to Characterize Haptic Expressions of Emotions", ACM Transactions on Applied Perception (ACM TAP), 10(4): 21 (2013), (IF: 1.02).

[22].   J. Simard, **M. Ammi**, M. Auvray, "Collaborative strategies for the search of 3D targets in molecular environments", IEEE Transactions on Systems, Man, and Cybernetics--Part C: Applications and Reviews (IEEE ToSMC) 42(6): pp. 1555-1565, 2012, (IF: 2.49).

[23].   J. Simard, **M. Ammi**, "Haptic interpersonal communication: gesture coordination for collaborative virtual assembly tasks", Springer journal of Virtual Reality 16(3): pp. 1-14, 2011, (IF: 0.62).

[24].   P. Bourdot, T. Convard, F. Picon, **M. Ammi**, M. Damien Touraine, Jean-Marc Vézien. "VR-CAD integration: Multimodal immersive interaction and advanced haptic paradigms for implicit edition of CAD models". Elsevier Computer-Aided Design 42(5): 445-461, 2010, (IF: 2.44).

[25].   **M. Ammi**, V. Fremont, A. Ferreira, "Automatic Camera-based Microscope Calibration for A Tele-Micromanipulation System using a Virtual Patter", IEEE Transactions on Robotics (IEEE ToR) 25(1): pp. 184-191. 2009, (IF: 4.03).

[26].   B. Menelas, **M. Ammi**, P. Bourdot, and S. Richir, "Survey on haptic rendering of data sets: Exploration of scalar and vector fields", Journal of Virtual Reality and Broadcasting 6 (9). 11 p. 2009.

[27].   J-M. Vézien, B. Ménélas, J. Nelson, L. Picinali, P. Bourdot, **M. Ammi**, B. F. G. Katz, J-M. Burkhardt, L. Pastur, F. Lusseyran. "Multisensory VR exploration for computer fluid dynamics in the CoRSAIRe project". Springer journal of Virtual Reality 13(4): 257-271, 2009, (IF: 0.62).

[28].   N. Férey, J. Nelson, C. Martin, L. Picinali, G. Bouyer, A. Tek, P. Bourdot, J-M. Burkhardt, B. F. G. Katz, **M. Ammi**, C. Etchebest, L. Autin. "Multisensory VR interaction for protein-docking in the CoRSAIRe project". Springer journal of Virtual Reality 13(4): pp.273-293, 2009, (IF: 0.62).

[29].   **M. Ammi**, A. Ferreira. "Biological cell injection visual and haptic interface". Advanced Robotics 20(3): pp. 283-304, 2006.

French journal publications (Peer reviewed)

[30].   M Bobin, M. Anastassova, M. Boukallel, **M. Ammi**, Etude et développement d'un verre intelligent pour le suivi d'activité à domicile des patients post-AVC. Revue Internet des Objets - ISTE, 2017, (in press)

[31].   H. Amroun, N. Ouarti, M. Temkit, **M. Ammi**, Les transitions de positions du smartphone, quelles conséquences sur la reconnaissance de l'activité humaine?, Revue Internet des Objets - ISTE, 2017, (in press)

[32].   **M. Ammi**, M. Weller, V. de la Chapelle, C. Clavel, J-C. Martin, "Canal haptique": Communication à distance d'émotions par le touché, Technique et Science Informatiques, Lavoisier 32 (3-4) : pp. 1-27, 2013.

[33].   N. Férey, G. Bouyer, C. Martin, A. Drif, P. Bourdot, **M. Ammi**, J. Nelson, J-M. Burkhardt, L. Autin. "Docking de protéines en réalité virtuelle Une approche hybride et multimodale". Technique et Science Informatiques 28(8): pp. 983-1015, 2009.

Book chapters

[34].   J.-C. Martin, C. Clavel, M. Courgeon, **M. Ammi**, M.-A. Amorim, Y. Tsalamlal, Y. Gaffary, How Do Users Perceive Multimodal Expressions of Affects?, The Handbook of Multimodal-Multisensor Interfaces, Volume 2: Signal Processing, Architectures, and Detection of Emotion and Cognition (Acm Books), Vol. 2, 2018, pp. 263–285, (doi: 10.1145/3107990.3108001)

[35].   H. Amroun, M. Temkit, **M. Ammi**, "Deep Learning of raw data from human activity", The Challenges of the Internet of Things, ISTE-Wiley, 2018, (doi : 10.1002/9781119549765.ch2)

[36]. M Bobin, M. Anastassova, M. Boukallel, **M. Ammi**, "Study and development of a smart cup for monitoring of post-stroke patients' activities at home", The Challenges of the Internet of Things, ISTE-Wiley, 24 pages, 2018, (doi : 10.1002/9781119549765.ch3)

[37]. **M. Ammi**, A. Ferreira, "Human-in-the-Loop Telemicromanipulation System'', Control at Micro and Nano Scale, Edited by Alina Voda, Elsevier, 221-256, 2009.

Edited books/proceedings/journals

[38]. M. Yacoubi, N. Vincent, **M. Ammi**, World Scientific Book Series: Series on Language Processing, Pattern Recognition, and Intelligent Systems, "AI & Machine Learning in healthcare", 2021 (In press)

[39]. M. Yacoubi, Hui Yu, **M. Ammi**, Algorithms (ISSN 1999-4893), Special Issue "Algorithms for Human Gesture, Activity and Mobility Analysis", 2021 (In press).

[40]. E. Reyes, S. Szoniecky, A. Mkadmi, G. Kembellec, R. Fournier-S'niehotta, F. Siala-Kallel, **M. Ammi**, S. Labelle, International Conference on Digital Tools & Uses Congress, Proceedings of the 1st, DTUC 2018, Paris, France, October, 2018 (ISBN: 978-1-4503-6451-5)

[41]. I. Salleh, **M. Ammi**, S. Szoniecky, The Challenges of the Internet of Things: Technique, Use, Ethics, Wiley-ISTE, ISBN: 978-1-119-54958-1, Sep 2018, 274 pages.

[42]. A. Tapus, E. André, J.-C. Martin, F. Ferland, **M. Ammi**, Social Robotics - 7th International Conference, ICSR 2015, Paris, France, October 26-30, 2015, Proceedings. Lecture Notes in Computer Science 9388, Springer 2015.

International conference, symposium and workshop publications (Peer Reviewed)

[43]. M. De Bois, **M. Ammi**, M. El-Yacoubi, Interpreting Deep Glucose Predictive Models for Diabetic People Using the RETAIN Architecture, International Conference on Pattern Recognition and Artificial Intelligence (ICPRAI), pp 685-694, 2020.

[44]. X. Wang, L. Besançon, M. Sereno, D. Rousseau, **M. Ammi** , T. Isenberg, Towards an Understanding of Augmented Reality Extensions for Existing 3D Data Analysis Tools, ACM CHI, April 2020, (13 pages). (doi: 10.1145/3313831.3376657)

[45]. H. Amroun, **M. Ammi**, "Deploying-in-Production of a connected object-user identification approach by recognizing physical activity in a Big Data environment", International Workshop on ADVANCEs in ICT Infrastructures and Services, 2020, 6 pages.

[46]. X. Wang, L. Besançon, **M. Ammi**, T. Isenberg, Augmenting Tactile 3D Data Navigation with Pressure Sensing, conférence francophone sur l'Interaction Homme-Machine (IHM'2019), 2019, France, (accepted)

[47]. M. De Bois, M. El-Yacoubi, **M. Ammi**, Prediction-coherent LSTM-based recurrent neural network for safer glucose predictions in diabetic people, International Conference on Neural Information Processing (ICONIP), Australia, pp. 510-521. Springer, LNCS, vol. 11955, Dec. 2019.

[48]. M. De Bois, M. El-Yacoubi, **M. Ammi**, Model Fusion to Enhance the Clinical Acceptability of Long-Term Glucose Predictions, IEEE International Conference on Bioinformatics and Bioengineering (IEEE BIBE), Athens, Greece, 2019, pp. 258-264 (doi: 10.1109/BIBE.2019.00053).

[49]. X. Wang, M. Sereno, L. Besançon, **M. Ammi**, T. Isenberg, Hybrid Touch/Tangible Spatial 3D Data Selection, EuroVis, 2019 (2 pages).

[50]. M. De Bois, M. El-Yacoubi, **M. Ammi**, Study of Short-Term Personalized Glucose Predictive Models in Diabetes, International Joint Conference on Neural Networks (IJCNN), Budapest, Hungary, 2019, pp. 1-8 (doi: 10.1109/IJCNN.2019.8852399).

[51]. S. Famié, M. Ammi V. Bourdin, M.A. Amorim, Different motor strategies to slide an object on a surface towards a target, Progress in Motor Control XII: Movement Improvement The Netherlands, Amsterdam, July 7-10, 2019 (4 pages).

[52]. X. Wang, M. Sereno, L. Besançon, F. Gueniat, **M. Ammi**, T. Isenberg, A Vision of Bringing Immersive Visualization to Scientific Workflows, CHI-IA 2019 - Workshop on Immersive Analytics at ACM, May 2019, Glasgow, United Kingdom (9 pages).

[53]. P.-H. Orefice, **M. Ammi**, M. Hafez, A. Tapus, New Progress in Tactile Perception and Learning in Robotics, IEEE/RSJ International Workshop RoboTac (RoboTac'18) (4 pages), Madrid, Spain, 2018.

[54]. P.-H. Orefice, **M. Ammi**, M. Hafez, A. Tapus, Pressure Variation Study in Human-Human and Human-Robot Handshakes: Impact of the Mood, IEEE International Symposium on Robot and Human Interactive Communication (IEEE ROMAN'18), Nanjing, 2018, pp. 247-254, doi: 10.1109/ROMAN.2018.8525762.

[55]. M. Bobin, H. Amroun, M. Anastassova, M. Boukallel, **M. Ammi**, Smart Objects Ecosystem for Post-Stroke Upper Limbs' Motor Functions Monitoring, Digital Tools & Uses Congress (DTUC '18), October 3-5, 2018, Paris, France (6 pages). DOI: 10.1145/3240117.3240133.

[56]. L. Coussou, S. Huguenin, S. Bouchigny, **M. Ammi**, The Tangible Sounds: a sound system for Interactive Tabletops, Digital Tools & Uses Congress (DTUC '18), October 3-5, 2018, Paris, France (6 pages). DOI: 10.1145/3240117.3240129.

[57]. M. Bobin, H. Amroun, M. Anastassova, M. Boukallel, **M. Ammi**, Smart Cup to Monitor Stroke Patients Activities during Everyday Life, IEEE International Conference on Internet of Things, Halifax, Canada, pp. 189 – 195, 2018

[58]. H. Amroun, Y. Benziani, M. Temkit, **M. Ammi**, Advanced Statistical Models for Modeling Hot Water Consumption Using a Connected Boiler, IEEE International Conference on Internet of Things, Halifax, Canada, pp. 35 – 42, 2018

[59]. H. Amroun, Y. Benziani, **M. Ammi**, A Framework Based on Dempster- Shafer Theory of Evidence Algorithm for the Analysis of the TV-Viewers' Behaviors, 20th International Conference on Artificial Intelligence and Cognitive Science (ICAICS 2018), Tokyo, Japan, (accepted).

[60]. H. Amroun, Y. Benziani, **M. Ammi**, Long Short-Term Memory Based Model for Modeling Nicotine Consumption Using an Electronic Cigarette and Internet of Things Devices, 20th International Conference on Artificial Intelligence and Cognitive Science (ICAICS), Tokyo, Japan, (4 pages), 2018. doi.org/10.5281/zenodo.1316131

[61]. J.-B. Corrégé, C. Clavel, J. Christophe, **M Ammi**, Using social norms to promote energy-efficient building renovation in a dedicated. 29th International Conference on Applied Psychology (iCAP), 2018, Montreal, Canada, (2 pages).

[62]. M. De Bois, H. Amroun, **M. Ammi**, Energy Expenditure Estimation Through Daily Activity Recognition Using a Smart-phone, IEEE World Forum on Internet of Things, Singapore, 2018, WF-IoT 2018: pp. 167-172.

[63]. M. Bobin, H. Amroun, M. Anastassova, M. Boukallel, **M. Ammi**, Smart Cup for Festival Alcohol Consumption Awareness, IEEE World Forum on Internet of Things, Singapore, 2018, WF-IoT 2018: 718-723.

[64]. X. Wang, L. Besançon, **M. Ammi**, T. Isenberg, Augmenting Tactile 3D Data Exploration with Pressure Sensing, IEEE Conference on Visualization (IEEE VIS), Phoenix, Arizona, USA, 2017, Extended Abstract, (2 pages).

[65]. M. Sereno, **M. Ammi**, T. Isenberg, L. Besançon, Interaction Hybride Tactile/Tangible pour la Sélection 3D, conférence francophone sur l'Interaction Homme-Machine (IHM'2017), 2017, France, (6 pages).

[66]. P.-H. Orifice, **M. Ammi**, M. Hafez, A. Tapus, Design of an Emotion Elicitation Tool using VR for Human-Avatar Interaction Studies, 17th International Conference on Intelligent Virtual Agents (IVA 2017), Aug 27-30, 2017, Stockholm, Sweden: 335-338.

[67]. H. Amroun, N. Ouarti, M. Temkit, **M. Ammi**, Recognition of human activity using paired connected objects, IEEE International Conference on Internet of Things 2017, Exeter, UK: 806-809.

[68]. H. Amroun, N. Ouarti, M. Temkit, **M. Ammi**, Best feature for CNN classification of Human Activity using IOT network, IEEE International Conference on Internet of Things, 2017, Exeter, UK: 943-950.

[69]. H. Amroun, M. Temkit, **M. Ammi**, Impact of the positions transition of a Smartphone on human activity recognition, IEEE International Conference on Internet of Things, 2017, Exeter, UK: 937-942.

[70]. H. Amroun, M. Temkit, **M. Ammi**, Study of the viewers' TV-watching behaviors before, during and after watching a TV program using IoT network, IEEE International Conference on Systems, Man, and Cybernetics (SMC2017), Banff, Canada: 1850-1855

[71]. M. Bobin, H. Amroun, M. Anastassova, M. Boukallel, **M. Ammi**, SVM based Approach for the Assessment of Elbow Flexion with Smart Textile Sensor, IEEE International Conference on Systems, Man, and Cybernetics (SMC2017), Banff, Canada: 2129-2134.

[72]. H. Amroun, M. Temkit, **M. Ammi**, DNN-based approach for identification of the level of attention of the TV-viewers using IoT network, IEEE International Conference on Internet of People, San Francisco, CA, 2017, pp. 1-4, doi: 10.1109/UIC-ATC.2017.8397660.

[73]. J.-B. Corrégé, C. Clavel, N. Sabouret, E. Hadoux, A. Hunter, **M Ammi**, Persuasive Conservation Dialogue System for Energy, 12th International Conference Persuasive Technology: Development and Implementation of Personalized Technologies to Change Attitudes and Behaviours (PERSUASIVE 2017), Amsterdam, The Netherlands, pages 4–6, 2017

[74]. H. Amroun, M. Temkit, **M. Ammi**, DNN-based approach for recognition of human activity raw data in Non-controlled environment, IEEE International Conference on AI & Mobile Services, June 25 - June 30, 2017, Honolulu, Hawaii, USA: 121-124, 2017.

[75]. L. Coussou, S. Huguenin, S. Bouchigny, **M. Ammi**, A Tangible Visual Accessibility Tool for Interactive Tabletops, International Conference on Computer-Human Interaction Research and Applications (CHIRA), 2017: 126 – 133.

[76]. L. Besançon, **M. Ammi**, T. Isenberg, Pressure-Based Gain Factor Control for Mobile 3D Interaction using Locally-Coupled Devices, ACM CHI, 2017: 1831-1842.

[77]. L. Besançon, P. Issartel, **M. Ammi**, T. Isenberg, Mouse, Tactile, and Tangible Input for 3D Data Manipulation, ACM CHI, 2017: 4727-4740.

[78]. P.-H. Orifice, **M. Ammi**, M. Hafez, A. Tapus, Let's Handshake and I'll Know who You Are: Gender and Personality Discrimination in Human-Human and Human-Robot Handshaking Interaction, IEEE Humnoids, IEEE-RAS International Conference on Humanoid Robots, Nov 15-17, 2016, Cancun, Mexico, 958-965.

[79]. H. Amroun, N. Ouarti, **M. Ammi**, Recognition of human activity using internet of things in a non-controlled environment, 14th International Conference on Control, Automation, Robotics and Vision (ICARCV), 2016, Phuket, Thailand: 1-6.

[80]. A. Arnaud, J. Christophe, M. Gouiffès, **M. Ammi**, 3D reconstruction of indoor building environments with new generation of tablets, In Proc. of ACM Symposium on Virtual Reality Software and Technology (ACM VRST'16), 187-190.

[81]. A. Arnaud, J.-B. Corrégé, C. Clavel, M. Gouiffès, **M. Ammi**, Exploration of Virtual Environments on Tablet: Comparison Between Tactile and Tangible Interaction Techniques, 18th ACM International Conference on Multimodal Interaction (ACM ICMI), Tokyo, Japan, 357-361.

[82]. P. Issartel, L. Besançon, F. Gueniat, T. Isenberg, **M. Ammi**, Preference Between Allocentric and Egocentric 3D Manipulation in a Locally Coupled Configuration, The ACM Symposium on Spatial User Interaction (ACM SUI) 2016, Tokyo, Japan, 79-88.

[83]. J.-B. Corrégé, C. Clavel, J. Christophe, **M Ammi**, Using Regulatory Focus Theory for a Mobile Device Renovation Application: Nudging Users Towards Building Green Houses. 11th International Conference on Persuasive Technologies, 2016, Salzbourg, 06-09.

[84]. P. Issartel, L. Besançon, T. Isenberg, **M. Ammi**, A Tangible Volume for Portable 3D Interaction, IEEE ISAMR, 2016 : 215-220

[85]. M Bobin, M. Anastassova, M. Boukallel, **M. Ammi**, Study of a smart cup for home monitoring of the arm and hand of stroke patients. The 18th International ACM SIGACCESS Conference on Computers and Accessibility, 2016, 305-306.

[86]. M. Sereno, **M. Ammi**, T. Isenberg, L. Besançon, Tangible Brush: Performing 3D Selection with Portable and Position-Aware Devices, IEEE Conference on Visualization (IEEE VIS), 2016, October 23–28, Baltimore, Maryland, USA, Extended abstract and poster, (2 pages).

[87]. M Bobin, M. Anastassova, M. Boukallel, **M. Ammi**, SyMPATHy: smart glass for monitoring and guiding stroke patients in a home-based context. The 8th ACM SIGCHI Symposium on Engineering Interactive Computing Systems, 2016: 281-286.

[88]. A. Arnaud, J.-B. Corrégé, C. Clavel, M. Gouiffès, **M. Ammi**, Exploration d'environnement virtuel sur tablette: Comparaison entre des modalités tactiles et tangibles, International conference on Francophone sur l'Interaction Homme-Machine (IHM'2015), 2015, France 39:1-39:6.

[89]. Y. Gaffary, J-C. Martin, **M. Ammi**, "Perception of Congruent Facial and Kinesthetic Expressions of Emotions", International Workshop on Mediated Touch and Affect (MeTA). In Proc. of International Conference on Affective Computing and Intelligent Interaction (ACII'15), Xian, China, 993-998.

[90]. Y. Gaffary, D.A.G Jauregui, J-C. Martin, **M. Ammi**, "Gestural and Postural Reactions to Stressful Event: Design of a Haptic Stressful Stimulus", International Workshop on Mediated Touch and Affect (MeTA). In Proc. of International Conference on Affective Computing and Intelligent Interaction (ACII'15), Xian, China, 988-992.

[91]. M. Y. Tsalamlal, M.-A. Amorim, J.-C. Martin, A. Tapus and **M. Ammi**, "Affective Handshake with a Humanoid Robot: How do Participants Perceive and Combine its Facial and Haptic Expressions?", International Conference on Affective Computing and Intelligent Interaction (ACII), China, 2015, 334-340.

[92]. A.Girard and **M. Ammi**,"Haptic designation tool to improve working strategy in collaborative virtual environment", IEEE International Conference on Systems, Man, and Cybernetics (IEEE SMC), Hong Kong, 2015, 1321-1328

[93]. **M. Ammi**, V. Demulier, S. Caillou, Y. Gaffary, Y. Tsalamlal, J.-C. Martin, and A. Tapus (2015) "Haptic Human-Robot Affective Interaction in a Handshaking Social Protocol", In Proceedings of IEEE Human-Robot Interaction Conference (IEEE HRI), Oregon, USA, March 2015, 263-270.

[94]. P. Issartel, F. Guéniat, S. Coquillart, **M. Ammi**, Perceiving Mass in Mixed Reality through Pseudo-Haptic Rendering of Newton's Third Law, IEEE VR 2015, 41-46.

[95]. P. Issartel, F. Guéniat, **M. Ammi**: A portable interface for tangible exploration of volumetric data. VRST 2014: 209-210.

[96]. M.Y. Tsalamlal, W. Rizer, J-C Martin, **M. Ammi** and M. Ziat "Event Related Potentials During Air Jet Tactile Stimulation," Cognitive Neuroscience Society meeting, SanFransisco, 2014.

[97]. A.Girard, M. Auvray, **M. Ammi**, "Collaborative metaphor for haptic designation in complex 3D environments", In Proc. of ACM Symposium on Applied Perception (SAP'14), Vancouver, Canada, August, 2014: 31-37.

[98]. Y. Gaffary, J-C. Martin, **M. Ammi**, "Perception of Congruent Facial and Haptic Expressions of Emotions", In Proc. of ACM Symposium on Applied Perception (SAP'14), Vancouver, Canada, August, 2014: 135-135.

[99]. Y. Gaffary, J-C. Martin, **M. Ammi**, "Haptic Expressions of Stress During an Interactive Game", In Proc. of EuroHaptics, Versailles, France, June, 2014: 266-274.

[100]. M. Y. Tsalamlal, P. Issartel, N. Ouarti, **M. Ammi**, "HAIR: HAptic feedback with a mobile AIR jet", IEEE International Conference on Robotics and Automation (ICRA'14), 2014: 2699-2706.

[101]. P. Issartel, F. Guéniat, and **M. Ammi**, "Slicing techniques for handheld augmented reality", IEEE Symposium on 3D User Interfaces (3DUI'14), 2014: 39-42.

[102]. A. Girard, Y. Bellik, **M. Ammi**, "Comparative study of collaborative methods to control rotation of shared objects". In Proc. of IEEE Haptic Symposium 2014 (IEEE HAPTICS'14), Huston, Texas, USA, February, 2014: 531-537.

[103]. F. Gueniat, J. Christophe, Y. Gaffary, A.Girard, **M. Ammi**," Tangible Windows for a free Exploration of Wide 3D Virtual Environment". In Proc. of ACM Symposium on Virtual Reality Software and Technology (ACM VRST'13), pp. 115-118, Singapour, 2013.

[104]. Y. Gaffary, J-C Martin, **M. Ammi**, "How to Collect Haptic Expressions of Spontaneous Emotions?". International Workshop on Mediated Touch and Affect (MeTA). In Proc. of International Conference on Affective Computing and Intelligent Interaction (ACII'13), pp. 776-779, Geneva, Switzerland, September, 2013.

[105]. M. Y. Tsalamlal, N. Ouarti, J. C. Martin, **M. Ammi**, "Perception of Emotions from Air Jet Based Tactile Stimulation". In Proc. of International Conference on Affective Computing and Intelligent Interaction (ACII'13), pp. 215-220, Geneva, Switzerland, September, 2013.

[106]. M. Y. Tsalamlal, N. Ouarti, **M. Ammi**, "Psychophysical study of air jet based tactile stimulation". In Proc. of IEEE WordHaptics, pp. 639-644, Daejon, Korea, 2013.

[107]. A.Girard, Y.Bellik, M. Auvray, **M. Ammi**, "Collaborative tool for adaptative selection". In Proc. of International Workshop on Haptic and Audio Interaction Design (HAID'13), pp. 40-49, Daejeon, Korea, April, 2013.

[108]. Y. Gaffary, M. Y. Tsalamlal, V. Eyharabide, J-C Martin, **M. Ammi**, "Comparison of Statistical Methods for the Analysis of Affective Haptic Expressions". In Proc. of International Workshop on Haptic and Audio Interaction Design (HAID'13), pp. 40-49, Daejeon, Korea, April, 2013.

[109]. M. Y. Tsalamlal, N. Ouarti, **M. Ammi**, "Non-intrusive haptic interfaces: state-of-the art survey". In Proc. of International Workshop on Haptic and Audio Interaction Design (HAID'13), pp. 1-9, Daejeon, Korea, April, 2013.

[110]. A.Girard, Y.Bellik, M. Auvray, **M. Ammi**, "Collaborative adjustment of selection areas for polygonal modelling". In Proc. of IEEE 3D User Interface (IEEE 3DUI'13), Orlando, USA, pp.135-136, March, 2013.

[111]. A. Girard, Y. Bellik, M. Auvray, **M. Ammi**, "Collaborative Approach for Dynamic Adjustment of Selection Areas in Polygonal Modelling". In Proc. of ACM Symposium on Virtual Reality Software and Technology (ACM VRST'12), pp. 205-206, Toronto, Canada, December, 2012.

[112]. J. Simard, A.Girard, A. Mayeur, **M. Ammi**, "How to improve group performances on colocated synchronous manipulation tasks?", In Proc. of IEEE International Symposium on Haptic Audio-Visual Environments and Games (IEEE HAVE'12), pp. 13-18, Munich, Germany, October, 2012.

[113]. A. Girard, M. Auvray, **M. Ammi**, "Haptic designation strategy for collaborative molecular modelling". In Proc. of IEEE International Symposium on Haptic Audio-Visual Environments and Games (IEEE HAVE'12), pp. 119-123, Munich, Germany, October, 2012.

[114]. Y. Gaffary, V. Eyharabide, J-C. Martin, **M. Ammi**, "Comparison of Statistical Methods for the Analysis of Affective Haptic Expressions". In Proc. of ACM Symposium on Applied Perception (ACM SAP'12), pp. 128, Los Angeles, USA, August, 2012.

[115]. J. Simard, **M. Ammi**, "Haptic communication tools for collaborative deformation of molecules". In Proc. of EuroHaptics, pp. 517-527, Tampere, Finland, June, 2012.

[116]. F. Gueniat, Y. Gaffary, L. Pastur, **M. Ammi**, "Haptic stimulus for the discrimination between intrinsic properties of dynamic systems". In Proc. of EuroHaptics, pp, 37-42, Tampere, Finland, June, 2012.

[117]. **M. Ammi** and B. Katz. "Audio-Haptic intermodal coupling for comparative search tasks". In Proc. of IEEE Haptics Symposium (IEEE HAPTICS'12), pp. 307-311, Vancover, Canada, March, 2012.

[118]. A. Girard, **M. Ammi**, J. Simard, M. Auvray, "Improvement of collaborative selection in 3D complex environments". In Proc. of IEEE Haptics Symposium (IEEE HAPTICS'12), pp., 281-288, Vancover, Canada, 4-7 March, 2012.

[119]. **M. Ammi**, B. Katz. 2011. "Design of Haptic Stimuli for Audio-Haptic concurrent coupling". In Proc. of IEEE International Symposium on Haptic Audio-Visual Environments and Games (IEEE HAVE'11), pp. 74-80, Hebei, China, October, 2011.

[120]. D. Bonnet, **M. Ammi** and J.C Martin. 2011. "Haptic communication of emotions through 3D mouvements". In Proc. of IEEE International Symposium on Haptic Audio-Visual Environments and Games (IEEE HAVE'11), pp. 81-87, Hebei, China, October, 2011.

[121]. J. Simard, **M. Ammi**, M. Auvray. 2011. "How to improve group performances on collocated synchronous manipulation tasks". In Proc. of Joint Virtual Reality Conference (JVRC'11), 91-94, Nottingham, UK, September, 2011.

[122]. J. Simard, **M. Ammi**. 2010. "Gesture coordination in collaborative tasks through augmented haptic feedthrough". In Proc. of Joint Virtual Reality Conference (JVRC'10), pp. 43-50, Fellbach, Germany, October, 2010.

[123]. J. Simard, **M. Ammi**, M. Auvray. 2010b. "Study of synchronous and colocated collaboration for search tasks". In Proc. of Joint Virtual Reality Conference (JVRC'10), pp., 51-54, Fellbach, Germany, October, 2010.

[124]. J. Simard, **M. Ammi**, M. Auvray. "Closely coupled collaboration for search tasks". In Proc. of ACM Symposium on Virtual Reality Software and Technology (ACM VRST'10), pp. 181-182, Hong Kong, China, November, 2010.

[125]. B. Menelas, L. Picinali, B. Katz, P. Bourdot and **M. Ammi**. "Haptic Audio Guidance for Target Selection in a Virtual Environment". In Proc. of International Haptic and Auditory Interaction Design Workshop (HAID'09), vol. II, pp. 1-2, Dresden, September, 2009.

[126]. H. P. Pham, R. Chellali, **M. Ammi**, J-F.fontaine, "Frequency Modulation Based Vibrotactile Feedback for 1-D and 2-D Pointing Tasks in Virtual Reality". In Proc. of IEEE International Symposium on Robot and Human Interactive Communication (IEEE ROMAN'09), pp. 1099-1105, October, 2009, Toyama, Japan.

[127]. J. Simard, **M. Ammi**, F. Picon, P. Bourdot. "Potential field approach for haptic selection". In Proc. of Graphics Interface (GI'09), pp. 203-206, Kelowna, British Columbia, Canada, May, 2009.

[128]. B. Ménélas, **M. Ammi**, L. Pastur, P.Bourdot, "Haptical Exploration of an Unsteady Flow". In Proc. of WorldHaptics, pp., 232-237, Salt Lake City, USA, March, 2009.

[129]. M. Nouicer, **M. Ammi**, A. Kheddar, "Fast Algorithm for Collision Detection between Deformable Objects". 2nd Mediterranean Conference on Intelligent Systems and Automation (CISA'09). In Proc. of AIP Conference, Volume 1107, pp. 311-312, Zarzis, Tunisia, March, 2009.

[130]. F. Picon, **M. Ammi**, P. Bourdot. "Force Model for CAD Selection".In Proc. of ACM Symposium on Virtual Reality Software and Technology (ACM VRST'08), pp. 283-284, Bordeaux, France, October, 2008.

[131]. H. P. Pham, **M. Ammi**, J. G. Fontaine, P. Bourdot, "A framework for building haptic interactions for teleoperation systems". Haptic in Ambient Systems Workshop (HAS'08), In Proc. of the International Conference on Ambient Media and Systems, pp. 5:1-5:10, Quebec City, Canada, February, 2008.

[132]. B. Ménélas, N. Fauvet, **M. Ammi**, P. Bourdot, "Direct Haptic Rendering For Large Datasets With High Gradients". Haptic in Ambient Systems Workshop (HAS'08), In Proc. of the International Conference on Ambient Media and Systems, pp. 2:1--2:9, Quebec City (Canada), February 2008.

[133]. B. Ménélas, **M. Ammi**, P. Bourdot. "A Flexible Method for Haptic Rendering of Isosurface from Volumetric Data". In Proc. of EuroHaptics, pp. 687-693, Madrid, Spain, June, 2008.

[134]. F. Picon, **M. Ammi**, P. Bourdot. "Haptically-Aided Extrusion for Object Edition in CAD". In Proc. of EuroHaptics, pp. 736-741, Madrid, Spain, June, 2008.

[135]. B. Menelas, **M. Ammi**, P. Bourdot and S. Richir. "A survey on haptic interaction techniques in the exploration of large and scientific data sets". In Proc. of Virtual Reality International Conference (VRIC'08), pp. 31-38, Laval, France, April, 2008.

[136]. F. Picon, **M. Ammi**, P. Bourdot, "Case study of Haptic methods for Selection on CAD Models". In Proc. of IEEE Virtual Reality (IEEE VR'08), pp. 209-212, Reno, Nevada, March, 2008.

[137]. N. Fauvet, **M. Ammi**, P. Bourdot, "experiments of Haptic Perception Techniques for Computational Fluid Dynamics". Haptex'07, In Proc. of International Conference on Cyberworlds, pp. 322-329, Hanover, Germany, October, 2007.

[138]. G. Bouyer, P. Bourdot, **M. Ammi**, "Supervision of Task-Oriented Multimodal Rendering for VR Applications". In Proc. of Eurographics Symposium on Virtual Environments (EGVE), 1(28): pp. 235-242, Weimar, Germany, July, 2007.

[139]. F. Picon, P. Bourdot, **M. Ammi**. "Haptic selection for Computing Aided Design". In Proc. of IFF Science Days 2007, pp. 97-102, Magdeburg, Germany.

[140]. **M. Ammi**, A. Ferreira, "Robotic Assisted Micromanipulation System Using Virtual Fixtures and Metaphors". In Proc. of IEEE International Conference on Robotics and Automation (ICRA'07), pp., 454-460, Roma, Italy, April, 2007.

[141]. P. Bourdot, G. Bouyer, N. Fauvet, M. Martin, J.-M. Vézien, **M. Ammi**, R. Gherbi, "CoRSAIRe: Combination of sensorimotor renderings for immersive analysis of results". In Proc. of 3rd INTUITION Workshop VR/VE & Industry - Challenges and opportunities, p.4, Germany, 2006.

[142]. **M. Ammi**, A. Ferreira, "Visual and Haptic Rendering for Intuitive Biological Cell-Injection Interface". In Proc. of IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS'06) 20(3): pp. 283-304, Beijing, China, October, 2006.

[143]. **M. Ammi**, A. Ferreira, "Multimodal Virtual Fixtures and Metaphors for Dexterous Telemicromanipulation". In Proc. of Eurohaptics, pp. 433-440, Paris, France, June, 2006.

[144]. **M. Ammi**, A. Ferreira, J-G. Fontaine, "Application of Virtualized Reality Techniques to Tele-Micromanipulation". In Proc. of International Conference on Virtual Reality (VRIC'05), pp., pp. 179-185, Laval, France, April, 2005.

[145]. **M. Ammi**, V. Fremont, A. Ferreira, "Flexible Microscope Calibration using Virtual Pattern for 3D Telemicromanipulation". In Proc. of IEEE International Conference on Robotics and Automation (ICRA'05), pp. pp. 3899-3904, Barcelona, Spain, April, 2005.

[146]. **M. Ammi**, A. Ferreira, "Realistic Visual and Haptic Rendering for Biological-Cell Injection". In Proc. of IEEE International Conference on Robotics and Automation (ICRA'05), pp. pp. 930-935, Barcelona, Spain, April 18-22, 2005.

[147]. **M. Ammi**, A. Ferreira, "Virtualized Reality Interface for Tele-Micromanipulation". In Proc. of IEEE International Conference on Robotics and automation (ICRA'04), pp. pp. 2776-2781, New-Orleans, USA, May, 2004.

[148]. **M. Ammi**, A. Ferreira, "Path Planning of an AFM-based nanomanipulator using Virtual Force-Reflection". In Proc. of IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS'04), pp. pp. 577-582, Sendai, Japan, November, 2004.

[149]. **M. Ammi**, A. Ferreira, "Vision-based Extraction of Micro Object Geometry for Micro World Observation". In Proc. of IEEE International Conference on Instrumentation and Measurement Technology (IMTC'04), pp. pp. 767-772, Como, Italy, May, 2004.

[150]. **M. Ammi**, A. Ferreira, "Haptically Generated Paths of an AFM-based Nanomanipulator using Potential fields". In Proc. of IEEE International Conference on Nanotechnology (NANO'04), pp. pp. 767-772, Munich, Germany, August, 2004.

[151]. **M. Ammi**, A. Ferreira, "Involving the Operator in the Control Strategy for Intelligent Telemicromanipulation". In Proc. of IEEE/ASME International Conference on Advanced Intelligent Mechatronics (AIM'03), pp. 1315-1320, Kobe, Japan, July, 2003.

[152]. P. Stergiopoulos, G. Moreau, **M. Ammi**, P. Fuchs, "A Framework for the Haptic Rendering of the Human Hand". In Proc. of Symposium of Haptic Interfaces for Virtual Environment and Teleoperator Systems (HAPTICS'03), pp. 340-347, March, Los Angeles CA, USA, 2003.

French conference publications and posters

[153]. X. Wang, L. Besançon, M. Ammi, T. Isenberg. Navigation Tactile 3D Augmentée Sur Mobiles. Journée Visu 2018, May 2018, Palaiseau, France.

[154]. S. Famié, M. Ammi V. Bourdin, M.A. Amorim, Different motor strategies to slide an object on a surface towards a target, FéDeV, CentraleSupelec, 2018.

[155]. M. De Bois, M. A. El Yacoubi, **M. Ammi**, Study of Short-Term Personalized Glucose Predictive Models in Diabetes, Journée IMT IA & Santé, 2018. ⌞SEP⌝

[156]. L. Besançon, P. Issartel, **M. Ammi**, T. Isenberg. Interactive 3D Data Exploration Using Hybrid Tactile/Tangible Input. In Proceedings of the Journées Visu, June 7–8, Rueil-Malmaison, France, 2017

[157]. H. Amroun, M. Temkit, **M. Ammi**, « Apprentissage en profondeur des données brutes de l'activité humaine », Conférence sur les Nouveaux Défis de l'Internet des Objets : Technique, usage, éthique, Fès, Maroc, 2017.

[158]. M. De Bois, H. Amroun, **M. Ammi**, «Energy Expenditure Estimation Through Daily Activity Recognition Using a Smart-phone,» chez FéDeV, Vélizy-Villacoublay, 2017.

[159]. H. Amroun, N. Ouarti, M. Temkit, **M. Ammi**, « Reconnaissance de l'activité humaine dans un environnement non contrôlé en utilisant l'Internet des Objets », Journée Nationale de l'Internet des Objets : Nouveaux défis de l'Internet des Objets, Nozay, 2016.

[160]. M. Bobin, M. Boukallel, M. Anastassova, **M. Ammi**, « Etude d'un verre intelligent pour le suivi d'activité à domicile des patients post-AVC », Journée Nationale de l'Internet des Objets: Nouveaux défis de l'Internet des Objets, Nozay, 2016.

[161]. P-H Orefice, M. Hafez, **M. Ammi**, A. Tapus, « Interaction Émotionnelle Homme-Robot dans un Environnement Connecté : Modalité Tactile », Journée Nationale de l'Internet des Objets: Nouveaux défis de l'Internet des Objets, Nozay, 2016.

[162]. A. Arnaud, J. Christophe, M. Gouiffès, **M. Ammi**, « Modélisation d'Environnements Intérieurs par Reconstruction 3D sur Tablette pour la Rénovation », Journée Nationale de l'Internet des Objets: Nouveaux défis de l'Internet des Objets, Nozay, 2016.

[163]. J.-B. Corrégé, C. Clavel, **M. Ammi**. Utilisation des normes sociales injonctives pour favoriser la conception de projets de rénovation énergétiquement performants. Communication présentée au 3ème workshop TRACE, Montpellier, 2016.

[164]. Y. Tsalamlal, Y. Gaffary, N. Ouarti, J.C. Martin, **M. Ammi**, "HumanTouch: haptic emotional communication with virtual humans: working progresses", Forum Digiteo, ENSTA, 2013.

[165]. F. Gueniat, L. Pastur, F. Lusseyran, **M.Ammi**, "Detection of Coherent structures in a Flow N Interaction with Large Dataset", Forum Digiteo, Ecole Polytechnique, 2012, (Best poster).

[166]. Y. Tsalamlal, Y. Gaffary, N. Ouarti, J.C. Martin, **M. Ammi**, "HumanTouch: Communication haptique d'émotions avec des humains virtuels : project presentation", Forum Digiteo, Ecole Polytechnique, 2012.

[167]. F. Gueniat, L. Pastur, F. Lusseyran, **M. Ammi**, "Coherant structures detection and tracking in a Flow", Forum Digiteo, Ecole Polytechnique, 2011.

[168]. **M. Ammi**, H. Ladjal, A. Ferreira, "Virtual fixtures for robot-assisted micromanipulation, 5th InternationalWorkshop on Microfactories", IWMF October 25-27 2006, Besancon, France.

[169]. **M. Ammi**, A. Ferreira, "Calibration d'un Microscope avec une Mire Virtuelle", 7èmes Journées du Pôle Microrobotique & 3ème Journées du RTP Microrobotique, Lausanne, Suisse, 2004.

[170]. **M. Ammi**, A. Ferreira, "Interface Homme/machine Multimodale Pour la Télé-Micromanipulation", 6èmes Journées du Pôle Microrobotique & 2ème Journées du RTP Microrobotique, Bourges, France, 2003.

Research reports

[171]. **M. Ammi**, M. De Bois, White paper on Artificial Intelligence and IoT for food food industry, March, 2019.

[172]. **M. Ammi**, HAPCO theme, activity report, January, 2017.

[173]. **M. Ammi** et al., "White paper on e-Accessibility in a Connected World", April, 2017.

[174]. L. Besançon, P. Issartel, **M. Ammi**, T. Isenberg. Usability Comparison of Mouse, Touch and Tangible Inputs for 3D Data Manipulation. Technical Report 1603.08735, arXiv.org, March 2016.

[175]. P. Issartel, L. Besançon, T. Isenberg, **M. Ammi**. A Tangible Volume for Portable 3D Interaction. Technical Report 1603.02642, arXiv.org, March 2016.

[176]. P. Issartel, F. Guéniat, T. Isenberg, **M. Ammi**. Analysis of Locally Coupled 3D Manipulation Mappings Based on Mobile Device Motion. Technical Report 1603.07462, arXiv.org, March 2016.

[177]. **M. Ammi**, W. Dangxiao, IEEE Haptic Magazine, Second Issue, December, 2015

[178]. **M. Ammi**, W. Dangxiao, IEEE Haptic Magazine, First Issue, January, 2015

[179]. **M. Ammi**, J. Perret, G. Zachmann, A. Ferrisse, Report for the 7fth Haptic-SIG meeting, Saclay, December, 2013.

[180]. **M. Ammi**, HAPCO theme, activity report and prospects for AERES, 2013.

[181]. **M. Ammi**, J. Perret, G. Zachmann, Report for the 6fth Haptic-SIG meeting, Milano, Italy, May, 2013.

[182]. **M. Ammi**, J. Perret, Report for the 5fth Haptic-SIG meeting, Madrid, Spain, October, 2012.

[183]. M. Bordegoni, F. Ferrise, U. Künzler, **M. Ammi**, J. Perret, M. Sacco, G. Zachmann, "White paper on Haptics", EuroVR Haptic-SIG.

[184]. J. Perret, **M. Ammi**, Report for the 4rd Haptic-SIG meeting, Online, April, 2012.

[185]. **M. Ammi**, HAPCO theme, activity report of LIMSI-CNRS, 2012.

[186]. J. Perret, **M. Ammi**, Report for the 3rd Haptic-SIG meeting, Nottingham, UK, October, 2011.

[187]. J. Perret, **M. Ammi**, Report for the 2nd Haptic-SIG meeting, Laval, France, April, 2011.

[188]. J. Perret, **M. Ammi**, Report for the 1st Haptic-SIG meeting, Fellbach, Germany, October, 2010.

Theses

[189]. **M. Ammi**, "Haptics: from Collaborative Interaction to Affective Interaction", Habitation thesis, University of Paris-Sud / LIMSI-CNRS, 2013.

[190]. **M. Ammi**, "Mutlimodal Human-Machine Interface for TeleMicroManipulation" Ph. D. thesis, Univ. of Orléans / LVR, 2005.

[191]. **M. Ammi**, "Study of Collision Detection Algorithms for Haptic Rendering in Virtual Environments", Master's thesis, Ecole des Mines de Paris, 2002.

[192]. **M. Ammi**, "3D Simulator for Humanoid Walking", 2000, University of Sciences and Technology Houari Boumediene, Electronic department.

Sofware

[193]. M. De Bois, M. A. El Yacoubi, **M. Ammi**, Multi-source adversarial transfer learning in glucose prediction for type-2 diabetic patients, 2020. URL https://github.com/dotXem/GlucosePredictionATL. DOI : 10.5281/zenodo.3699846.

[194]. M. De Bois, M. A. El Yacoubi, **M. Ammi**, Interpreting deep glucose predictive models through the retain architecture, 2020. URL https://github.com/dot DOI : 10.5281/zenodo.3951702.

[195]. M. De Bois, M. A. El Yacoubi, **M. Ammi**, Integration of clinical criteria into the training of deep models : Application to glucose predictionfor diabetic people, 2020. URL https://github.com/dotXem/DeepClinicalGlucosePrediction. DOI : 10.5281/zenodo.3904234.

[196]. M. De Bois, M. A. El Yacoubi, **M. Ammi**, CG-EGA Python Implementation, 2019. URL https://github.com/dotXem/CG-EGA. DOI : 10.5281/zenodo.3459590.

[197]. M. De Bois, M. A. El Yacoubi, **M. Ammi**, GLYFE, 2019. URL https://github.com/dotXem/GLYFE. DOI : 10.5281/zenodo.3234605.

[198]. P. Issartel, Y. Tsalamlal, **M. Ammi**, Logiciel P-Tronics et plugin Solidworks, 2018, IDDN.FR.001.460016.000.S.P.2018.000.20600

[199]. P. Issartel, Y. Tsalamlal, **M. Ammi**, Logiciel CuraEngine pour P-Tronic, 2018, IDDN.FR.001.460017.000.S.P.2018.000.20600

[200]. P. Issartel, Y. Tsalamlal, **M. Ammi**, Firmware BCN3D pour P-Tronics, 2018, IDDN.FR.001.460018.000.S.P.2018.000.20600

Patents

[201]. **M. Ammi**, Y Tsalamlal, P. Issartel, S. Kenzari, V.S. Nguyen, "Manufacture of piezoelectric components and devices with a three-dimensional printing method", (WO2019EP78567), 2019

[202]. P. Issartel, **M. Ammi**, L. Besançon, "Man/Machine Interface With 3D Graphics Applications" (WO2017149254), 2017.

[203]. **M. Ammi** "Method for Additive Manufacturing of a 3D Mechatronic Object" (WO2016092021), 2017.

[204]. **M. Ammi**, S. Pennavayre, Procédé d'Evaluation de la Consommation Energétique d'un Bâtiment (FR3049098), 2017.

[205]. **M. Ammi**, F. Longnos, "Process and apparatus for manufacturing a mecatronic system by three-dimensional printing", (WO2017EP63606), 2017

[206]. **M. Ammi**, N. Ouarti, **"**Haptic System for Establishing a Contact Free Interaction Between at Least one Part of a User's Body and a Virtual Environment" (WO2014095765A3), 2016.

Awards

[207]. FéDev, Demenÿ-Vaucanson award (S. Famié), 2019

[208]. GDR IG-RV, Best thesis award (L. Besançon), 2018

[209]. ICAICS, Best presentation award (H. Amroun), 2018

[210]. IEEE SMC, Second best student paper award (H. Amroun), 2017

[211]. IEEE SMC, Nominated for the best student paper (M. Bobin), 2017

[212]. ACM CHI, Honorable mention award (L. Besonçon), 2017

[213]. ACM VRST, Best poster award (P. Issartel), 2014.

[214]. Digiteo Forum, Best poster award (F. Gueniat), 2012.

[215]. LAVAL VIRTUAL, Industrial Design & Simulation award (M. Ammi), 2005

Invited speaker - Seminars - Panels

[216]. **M. Ammi**, "E-Health 2.0: from 3D printing of mechatronics to numerical modelling of human" Sorbonne University Geeps-LIP6-ISIR, October 2020

[217]. **M. Ammi**, "3D printing of mechatronics for E-Health", Sorbonne University - Geeps, July 2020

[218]. **M. Ammi**, "Plastic Interaction for Pervasive Environments", University of Quebec at Chicoutimi, Seminar, June 2019

[219]. **M. Ammi**, "Pervasive Environments for E-Health", IVAR school, Invited talk, March 2019

[220]. **M. Ammi**, "Internet des Objets et technologies persuasives pour la santé ", Journée mondiale sans tabac, Hôpital Salpêtrière, Mai, 2018.

[221]. **M. Ammi**, "Internet of Things for Health: progresses and future challenges", IoTLab/IoTWorld, March, 2018.

[222]. **M. Ammi**, "IoT and HC for Smart Buildings", Workshop TREND-X / MISTIGRID, Ecole Polytechnique, Seminar, December, 2017.

[223]. **M. Ammi**, "Nouveaux capteurs pour l'Internet des Objets et les vêtements intelligents", Association Aristote, Ecole Polytechnique, Seminar, Ocotbrer 2017.

[224]. **M. Ammi**, "Haptic expression and perception of emotions for mediated communication and interaction with 3D avatars and robots", Univ. of Twente, Seminar, June 2017.

[225]. **M. Ammi**, "Internet of Things for Well-Being and E-Healht", Univ. of Paris 8, Seminar, June 2017.

[226]. **M. Ammi,** "Les TechMeetings : comment faire émerger de nouvelles relations laboratoires/PMEs? ", Paris-Saclay Connexion - EDF, June 2017.

[227]. **M. Ammi**, "Evolution des interactions hommes-machines et de l'Internet des Objets", Vitagora Café, "Robots et cobots de demain pour l'agroalimentaire", Invited speaker, May 2017.

[228]. **M. Ammi**, "Internet of Things for Well-Being and E-Healht", PARIS REGION IoT PHOTONICS, Paris, Invited speaker, May 2017.

[229]. **M. Ammi**, "Haptics Interaction to Communication", ICUBE, Strasbourg, Seminar, April 2017.

[230]. **M. Ammi**, "Internet of Things for Smart Buildings and Well-Being", IOT World, Panel, Paris, March 2017.

[231]. **M. Ammi**, « Quelles Synergies Enseignement Recherche & Entreprises sur le plateau de Saclay pour favoriser l'innovation ? Vers une Université plus intégrée », Conseil Académique UPSaclay, Panel & Invited speaker, Campus HEC, January 2017.

[232]. **M. Ammi**, « Impression 3D de composants mécatroniques », SATT Paris-Saclay / HEC, Seminar, October 2016

[233]. **M. Ammi**, « Vers l'Uberisation de la rénovation énergétique ? », Les 10èmes Rencontres de la Performance Energétique, Panel, Paris, June 2016.

[234]. **M. Ammi**, "Internet of Things for Smart Buildings", LIMSI, Seminar, May 2016

[235]. **M. Ammi**, "Internet of Things for Health", 10th European e-Accessibility Forum e-Accessibility in a connected world, Panel, Paris, May 2016.

[236]. **M. Ammi**, "Internet of Things for Smart Building", IOT World, Panel, Paris, March 2016.

[237]. **M. Ammi**, "HCI: from the interaction with environments to interpersonal communication", CDTA, Algeria, invited speaker, June 2015.

[238]. **M. Ammi**, "Haptics: from Interaction to Communication", ICUBE, Strasbourg, Seminar, March 2015.

[239]. **M. Ammi**, "Multimodal Interaction and Internet of Things", LIP6, Paris, Seminar, March 2015.

[240]. **M. Ammi**, "Haptics: from Interaction to Communication", CEA-LIST, Saclay, Seminar, January 2014.

[241]. **M. Ammi**, "Haptics for Collaborative Virtual Environments", Next Generation Multimedia Research & Development, New York University Abu Dhabi (NYUAD), Invited speaker, May 2-3, 2012.

Media stories - Newspaper articles

[242]. "P-Tronics : l'impression 3D du futur", Newspaper article, Magazine Paris-Saclay, April 2018.

[243]. "La révolution des textiles intelligents", Newspaper article, Techniques de l'ingénieur, February 2018.

[244]. "Le projet P-TRONICS : une plateforme d'impression 3D mécatronique", Newspaper article, Le site d'actualité de l'Université de Paris-Sud, September 2017

[245]. "Researchers are teaching robots to respond to touch", Newspaper article, ResponseSource, September 2017

[246]. "Engineers teach robots to understand emotion through touch", Newspaper article, Techradar, August 2017.

[247]. "La lente percée de l'Internet des objets", Newspaper article, Leconomiste.com, May 2017.

[248]. "L'Intelligence artificielle au service du sevrage tabagique", Newspaper article, Vapingpost, June 2017.

[249]. "Une appli pour modéliser un environnement avec une tablette", TV interview, Sciences et Avenir, January, 2017.

[250]. "Chantiers connectés", TV program, www.btp.tv, May 2016

[251]. "Transition énergétique : le grand bond en avant", Newspaper article, Usine Nouvelle, July 2016

[252]. "3D Reno : le bilan énergétique et la modélisation 3D à portée de tablette", Newspaper article, CNRS Innovation, June 2016

[253]. "Travailler sur les Interactions Homme-machine liées à la rénovation énergétique", Newspaper article, Batiactu, March 2015

[254]. "HumanTouch: Affective haptics", Newspaper article, Digiteo Magazine, July 2014.

[255]. "The jets of air that can alter your emotions", Newspaper article, NewScientist, September 2013.

Popularization

[256]. "Plan 3D Capture", Public demonstration in "Futur en Seine" festival, 2017, in collaboration with RPE.

[257]. "Canal Haptique", Haptic Telepresence system for affective communication, Public demonstration in "Futur en Seine" festival, 2011, in collaboration with MK2.

Current teachings

[258]. Data visualization (Master 2), Univ. Paris 8

[259]. Internet of Things (Master 2), Univ. Paris 8

[260]. Human-Machine Interaction (Master 1), Univ. Paris 8

[261]. Computer Graphics (L3/Bachelor), Univ. Paris 8

[262]. Programming (L1/Bachelor), Univ. Paris 8

[263]. Internet of Things: Design & Innovation (Master II), University of Quebec at Chicoutimi/Univ. Paris-Saclay

Past teachings

[264]. Algorithms and technologies in Computer Graphics (L3/Bachelor), Univ. Paris-Sud

[265]. Internet of Things & HCI (Master II), Univ. Paris-Sud

[266]. Future Challenges of Internet of Things, Master 1 & 2, Telecom SudParis, Evry, April 2017, May 2018

[267]. Internet des Objets pour l'analyse de l'activité, Master 1, STAPS, Orsay, October 2017

[268]. Introduction to modelling, animation and rendering in computer graphics (L2/Bachelor), Univ. Paris-Sud

[269]. Algorithms and technologies in computer graphics (L3/Bachelor and Engineer), Univ. Paris-Sud

[270]. 3D animation programming (Master I), Univ. Paris-Sud

[271]. Internet of Things & HCI (Master II), Univ. Paris-Sud

[272]. Haptics (Master II), Univ. Paris-Sud

[273]. Virtual Reality and Interaction (Master II), Univ. Paris-Sud

[274]. Logic design and introduction to computer architecture (L2/Bachelor), Univ. Paris-Sud

[275]. Computer Architectures and microprocessor (L2/Bachelor and Engineer), Univ. Paris-Sud

[276]. Web programming (Engineer), Univ. Paris-Sud

[277]. Electrical Engineering, (Engineer), Univ. Paris-Sud

[278]. Introduction à l'Internet des Objets, High-school course, Collège Louise Michel, Clichy Sous-Bois, December 2016.

[279]. Introduction à l'Internet des Objets, High-school course, Collège Jean Lurçat, Saint-Denis, December 2016.