

# Mounia Ziat (ENG., M.S., PH.D.) – Associate Professor

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## Education

10. 02 – 11. 06      **Compiègne University of Technology, Compiègne, France**  
*Doctor of Philosophy, Cognitive Science*  
*Dissertation:* Learning and use of a zoom function implemented in a mobile tactile interface. Experiments and ergonomics.
11. 01 - 09. 02      **Compiègne University of Technology, Compiègne, France**  
*Master of Cognitive Science*  
*Dissertation:* Acuity of a Sensory substitution device.
09. 98 - 06. 01      **École des Beaux-Arts, Algiers, Algeria**  
*Graphics designer*
09. 91 - 06. 97      **University of Sciences and Technology of Ferhat Abass, Setif, Algeria**  
*Engineer, Electronics*  
*Option:* “Instrumentation”

## Academic Positions

07. 01 – to date      **Bentley University, Associate Professor**  
*Information Design and Corporate Communication*
08. 14 – 06.29      **Northern Michigan University, Associate Professor**  
*Psychology department*
04. 14 – to date      **Northern Michigan University, Director of the Neuroscience Program**  
*Psychology and Biology departments*
08. 11 – 08. 14      **Northern Michigan University, Assistant Professor**  
*Psychology department*
03. 09 - 07. 11      **Wilfrid Laurier University, Post-Doctoral fellow**  
*Laurier Centre for Cognitive Neuroscience*
07. 07 - 02. 09      **McGill University, Post-Doctoral fellow**  
*Centre for Intelligent Machines*
10. 02 – 07. 07      **Compiègne University of Technology, Lecturer**  
*Technology and Human Sciences department*

## Visiting Positions

05. 20 – 07.20      **University of Tampere, Finland, Visiting Researcher**  
*Dr. Roope Raisamo, TAUCHI Research Center*
11. 17 – 12.17      **Istituto Italiano di Tecnologia, Genoa, Italy, Visiting Professor**  
*Dr. Luca Brayda, Robotics, Brain and Cognitive Sciences*
07. 17 – 08.18      **University of California, Los Angeles, Visiting Associate Researcher**  
*Dr. Ladan Shams, Psychology department*

05. 17–06.17 *University of Tampere, Finland, Visiting Researcher*  
*Dr. Roope Raisamo, TAUCHI Research Center*
10. 16–12.16 *University of Tampere, Finland, Visiting Researcher*  
*Dr. Roope Raisamo, TAUCHI Research Center*
05. 16–08.16 *University of California, Los Angeles, Visiting Researcher*  
*Dr. Ladan Shams, Psychology department*
07. 15–08.15 *University of California, Los Angeles, Visiting Researcher*  
*Dr. Ladan Shams, Psychology department*
05. 15–06.15 *Columbia University, Visiting Researcher*  
*Dr. Qi Wang, Biomedical Engineering department*
11. 07– 12. 07 *Max Planck Institute of Cybernetics, Tubingen, Germany, Visiting Postdoc*  
*Dr. Marc Ernst, Perception and Action Lab.*

## Grants

01. 17 - 01. 19 *Oculus Research (\$200,000) - PI*  
*“Edge and Corner Detection using Vibrotactile Actuators”*
08. 16 - 08. 17 *Oculus Research (\$15,000) - PI*  
*“Haptics for Human Perception”*
05. 13 - 12. 13 *Cross-Fertilization Student Exchange Program, IEEE Technical Committee on Haptics (TCH) (\$2,000) – co-PI*  
*“Physiological responses of emotions expressed through the haptic channel”*
04. 12 - 04. 14 *Faculty Research Grant Program, Northern Michigan University (\$7,000) - PI*  
*“Behavioral and electrophysiological responses associated with the processing of touch in a driving simulator environment”*

## Honors and Awards

12. 01. 18 *Recipient of the 2018-2019 NMU Technology Innovation Award*
12. 01. 16 *Recipient of the 2016-2017 NMU Technology Innovation Award*
12. 03. 15 *Recipient of the 2015-2016 NMU Excellence in Scholarship Award*
07. 07 - 08. 08 *McGill University, Enactive Post-Doctoral Fellowship*
10. 02 - 09. 05 *Compiegne University of Technology, French Research Ministry: fellowship for graduate study*
10. 02 - 09. 05 *Compiegne University of Technology, Scholarship from CIES (France) to support teaching*

## Publications

*Undergraduate and graduate students' names are underlined*

### *Peer-reviewed Articles*

1. Chin, K., Thompson, M., & **Ziat, M.** (2021). The Effect of Multimodal Virtual Reality Experience on the Emotional Responses Related to Injections. In Proceedings of the 2021 International Conference on Human Computer Interaction Theory and Applications (HUCAPP'21).
2. **Coe, P.**, Evreinov, G., **Ziat, M.**, & Raisamo, R. (2021). Generating Localized Haptic Feedback over a Spherical Surface. In Proceedings of the 2021 International Conference on Human Computer Interaction Theory and Applications (HUCAPP'21).
3. **Ziat, M.**, Chin, K., & Raisamo, R. (2020). Effects of Visual Locomotion and Tactile Stimuli Duration on the Emotional Dimensions of the Cutaneous Rabbit Illusion. In Proceedings of the 2020 International Conference on Multimodal Interaction (pp. 117-124).
4. De Grosbois, Di Luca, M., King, R., & **Ziat, M.** (2020). The Predictive Perception of Dynamic Vibrotactile Stimuli Applied to the Fingertip. In 2020 IEEE Haptic Symposium (in press).
5. de Grosbois, J., King, R., Di Luca, M., Parise, C., Bazen, R., & **Ziat, M.** (2019). The frequency of tactile adaptation systematically biases subsequent frequency identification. In 2019 IEEE World Haptics Conference (WHC) (pp. 295-300).
6. de Grosbois, J., Di Luca, M., King, R., Parise, C., & **Ziat, M.** (2019). Exogenous cueing of visual attention using small, directional, tactile cues applied to the fingertip. In 2019 IEEE World Haptics Conference (WHC) (pp. 455-460). IEEE.
7. **Ziat, M.**, Snell, K., Johannessen, C., Raisamo, R. (2018) How Visual Images and Tactile Durations Affect the Emotional Ratings of the Cutaneous-Rabbit Illusion. *Springer LNCS, Eurohaptics*, 58-68.
8. Middleton, J., Hakulinen, J., Tiitinen, K., Hella, J., Keskinen, T., Huuskonen, P., Linna, J., Turunen, M., Raisamo, R., **Ziat, M.** (2018) Sonification with musical characteristics: A path guided by user-engagement. In *proceedings of the 24th International Conference on Auditory Display (ICAD 2018)*.
9. **Ziat, M.**, Park, M., Kakas, B., Rosenbaum, D. (2018) Why potters make shorter vessels on the wheel when one or two of their modalities are reduced? *Perception*, 47(8), 860-872.
10. Morrow, K. and **Ziat, M.** (2018) Tactile Spatial Acuity of the Neck Using a Two-Point Orientation Discrimination Task. *IEEE Haptics Symposium 2018*, San Francisco, CA.
11. **Ziat, M.** (2017) Haptics and HCI, *Foundations and Trends in Human-Computer Interaction (in press)*, 2018, pp. 150.
12. Reed, C., **Ziat, M.** (2017) Haptic Perception: From the Skin to the Brain. *The Reference Module in Neuroscience and Biobehavioral Psychology (in press)*.
13. Tsalamlal, Y., Rizer, W., Martin, J-C., Ammi, M., **Ziat, M.** (2017) Affective Communication through Air Jet Stimulation: Evidence from Events-Related Potentials. *International Journal of Human-Computer Interaction (in press)*.
14. **Ziat, M.**, Raisamo, R. The Cutaneous-Rabbit Illusion: What if it is not a Rabbit? *IEEE Worldhaptics 2017*, Furstenfeldbruck, Germany, June 2017, 540-545 (**Acceptance rate: 59%**)

15. Huggins, J., Guger, C., **Ziat, M.**, Zander, T. O., Taylor, D., Tangermann, M., ... Aarnoutse, E. J. (2017). Workshops of the Sixth International Brain-Computer Interface Meeting: Brain-Computer Interfaces Past, Present, and Future. *Francis and Taylor Brain-Computer Interfaces (in press)*
16. Savord, A., Wisuri, E., Pless, P., Frissen, I. **Ziat, M.** (2017) Movement alteration in flute players: Can it help us understand focal dystonia? *Critical Reviews in Physical and Rehabilitation Medicine (in press)*.
17. **Ziat, M.** Wagner, S., Frissen, I. Compensatory Haptic feedback to the Absence of Horizon Cues during Landing: a Possible Solution for the Black Hole Illusion. *Springer LNCS, Eurohaptics 2016. (Acceptance rate: 22%)*
18. **Ziat, M.** Balcer, C. A., Rolison, T., Schirtz, A. A century later, the hue-heat hypothesis: does color truly affect temperature perception? *Springer LNCS, Eurohaptics 2016. (Acceptance rate: 22%). Nominated for Best Paper Award (top 5/ 98 papers).*
19. **Ziat, M.**, Yao, H.-Y., Schmitt, R., Hayward, V. FrontPanel: Tangible User Interface for Touch-Screens Dedicated to Elderly. *ACM CHI 2016 Extended Abstracts*, San Jose, CA, May 2016.
20. Morrow, K., Wilbern, D., Taghavi, R., **Ziat, M.** The Effects of Duration and Frequency on the Perception of Vibrotactile Stimulation on the Neck. *IEEE Haptics Symposium 2016. (Acceptance rate: 49%)*
21. Piggott, L., Wagner, S., **Ziat, M.** (2016), Haptic Neurorehabilitation and Applications of Virtual Reality for Upper Limb Paralysis: A Review, *Critical Reviews in Biomedical Engineering (In Press)*.
22. **Ziat, M.**, Savord, A., Frissen, I. (2015). The effect of Visual, Haptic, and Auditory Signals Perceived from Rumble Strips during Inclement Weather. *IEEE Worldhaptics 2015*, Evanston, IL, June 2015, 351-355 **(Acceptance rate: 43%)**
23. **Ziat, M.**, Bensmaia, S. (2015). Neuroprosthetics, *International Encyclopedia of Social and Behavioral Sciences*, eds. James Wright, 714-721
24. **Ziat, M.**, Lecolinet, E., Gapenne, O., Mouret, G., & Lenay, C. (2014). Perceptual Strategies under Constrained Movements on a Zoomable Haptic Mobile Device. In *Haptics: Neuroscience, Devices, Modeling, and Applications*, Springer Berlin Heidelberg, 224-231.
25. **Ziat, M.**, Rolison, T., Shirtz, A., Wilbern, D., and Balcer C. A. (2014) Enhancing Virtual Immersion through Tactile Feedback, *ACM UIST'14 Adjunct*, Honolulu, Hawaii, October 2014, 65-66. **(Acceptance rate: 30%)**
26. **Ziat, M.**, Fridstrom, J., Kilpela, K., Fancher, J., and Clark, J.J. (2014) InGrid: Interactive Grid Table, *ACM CHI 2014 Extended Abstracts*, Toronto, ON, April-May 2014, 559-562. **(Acceptance rate: 38%)**
27. **Ziat, M.**, Brown, C., Smith, E., DeWolfe, C., Hayward, V. (2014) Ebbinghaus Illusion in the Tactile Modality, *IEEE Haptic Symposium 2014*, Houston, TX, February 2014, 581 - 585.
28. **Ziat, M.**, Konieczky, C., Kakas, B. (2014) Throwing of a Ceramic Cylindrical Vessel: How Height is Affected by Sensory Deprivation, *IEEE Haptic Symposium 2014*, Houston, TX, February 2014, 529-530.
29. **Ziat, M.**, Frissen, I., Champion, G., Hayward, V., & Guastavino, C. (2013). Plucked String Stiffness Affects Loudness Perception. In *Haptic and Audio Interaction Design*. Springer Berlin Heidelberg. pp. 79-88.

30. **Ziat, M.**, Fancher, J., Kilpela, K., Fridstrom, J., Clark, J. J. (2013) InGrid: Rethinking the Embodied Space, *ACM CHI'2013 workshop on blended interaction*, 2013, 4 p. **(Acceptance rate: 59%)**
31. **Ziat, M.** and **Saoud, W.** (2013) The Progress Bar as a Time Metaphor of Continuity and Discontinuity, *ACM CHI'2013 workshop on perspectives of time*, 2013, 4 p. **(Acceptance rate: 50%)**
32. Frissen, I., **Ziat, M.**, Campion, G., Hayward, V., & Guastavino, C. (2012). The effects of voluntary movements on auditory–haptic and haptic–haptic temporal order judgments. *Acta psychologica*, 141(2), 140-148.
33. **Ziat, M.**, Au, C., Abolhassani, A. H., & Clark, J. J. (2012). Enhancing visuospatial map learning through action on cellphones. *ACM Transactions on Applied Perception (TAP)*, 9(1), 501-515.
34. **Ziat, M.**, Hayward, V., Chapman, C. E., Ernst, M. O., & Lenay, C. (2010). Tactile suppression of displacement. *Experimental brain research*, 206(3), 299-310.
35. **Ziat, M.**, Gapenne, O., Stewart, J., & Lenay, C. (2007). Haptic recognition of shapes at different scales: A comparison of two methods of interaction. *Interacting with Computers*, 19(1), 121-132.
36. **Ziat, M.**, Lenay, C., Gapenne, O., Stewart, J., Ammar, A. A., & Aubert, D. (2007). Perceptive supplementation for an access to graphical interfaces. In *Universal Access in Human Computer Interaction*. Springer Berlin Heidelberg, pp. 841-850.
37. **Ziat, M.** (2007) Haptic Zoom, Zoomable experience, Zoomable interfaces. In A. Luciani and C. Cadoz (eds.): *Enaction and Enactive Interface: a Handbook of Terms, Enactive Systems Books*, Grenoble. ISBN 978-2-9530856-0-0
38. **Ziat, M.**, Gapenne, O., Lenay, C., and Stewart, J. (2007) Zooming experience in the haptic modality. *3<sup>rd</sup> International Conference on Enactive Interfaces (ENACTIVE'07)*, November 23<sup>rd</sup>- 21st, 2007, Grenoble, France, 305-308.
39. **Ziat, M.**, Gapenne, O., Stewart, J., Lenay, C. (2007) Manipulation d'un zoom haptique continu via un dispositif de substitution sensorielle, *19th French-speaking conference on Human Computer Interaction (ACM IHM'07)*, Paris, November 17-12<sup>th</sup>, 2007, 63-70.
40. **Ziat, M.**, Gapenne, O., Stewart, J., Lenay, C and **Bausse, J.** (2007) Design of a Haptic Zoom: levels and steps. *Proceedings of IEEE Worldhaptics'07*, Tsukuba, Japan, March 22-24, 2007, 102-108.
41. **Ziat, M.**, Gapenne O., Lenay, C. and Stewart, J. (2007) Perception limits of a sensory substitution device by using an acuity test. *Proceedings of Human Machine iNteraction Conference (Human'07)*, Timimoun, Algeria, March 12-14, 2007, 201-206.
42. **Ziat, M.**, Gapenne, O., Lenay, C., Lecolinet, E., Mouret, G., & Stewart, J. (2006). Espace de perception et seuils de confort pour un zoom haptique en 2D. *Revue d'Interaction Homme-Machine*, Vol, 7(1), 29-54.
43. **Ziat, M.**, Gapenne, O., Lenay, C. and Stewart, J. (2006) Zoomable user interfaces: Ecological and Enactive. *2nd International Conference on Enactive Interfaces (ENACTIVE'06)*, Montpellier, France, November 20-21, 2006, 239-240.
44. **Ziat, M.**, Gapenne, O., Stewart, J. and Lenay, C. (2006) Checking the two-third power law for shapes explored via a sensory substitution device. *2nd International Conference on Enactive Interfaces (ENACTIVE'06)*, Montpellier, France, November 20-21, 2006, 95-96.

45. **Ziat, M.**, Gapenne, O., Rouze, M.-O. and Delwarde, A. (2006) Recognition of different scales by using a haptic sensory substitution device. *In the proceedings of Eurohaptics'2006*, Paris, France, July 3-6, 2006, 513-518.
46. **Ziat, M.**, Gapenne, O., Lenay, C. and Stewart, J. (2005) Perception in numerical and corporeal spaces in a 2D haptic virtual world. *In the proceedings of the 2nd International Conference on Enactive Interfaces (ENACTIVE'05)*, Genova, Italy, November 17-18, 2005, 10 p.
47. **Ziat, M.**, Gapenne, O., Delwarde, A., and Rouze, M.-O. (2005) Haptic Differentiation between Different Scales, *Proceedings in Designing Pleasurable Products and Interfaces (DPPI'05)*, Eindhoven, the Netherlands, October 24-28, 2005, 480-481.
48. **Ziat, M.**, Gapenne, O., Stewart, J., Lenay, C. (2005) A comparison of two methods of scaling on form perception via a haptic interface. *Seventh International Conference on Multimodal Interfaces (ACM ICMI'05)*, Trento, Italy, October 04-06, 2005, 236-243.
49. **Ziat, M.**, Gapenne, O. (2005) Etude préliminaire visant la détermination de seuils de confort pour un zoom haptique. *17th French-speaking conference on Humain Computer Interaction (ACM IHM'05)*, Toulouse, France, 27-30 septembre, 2005, 3-10. **Nominated for Best Paper Award**
50. **Ziat, M.** (2004) Scaling form or sensor: A question for the design of a pseudo-haptic zoom dedicated to PDA, *Designing Interactive Systems (ACM DIS'04)*, Doctoral Consortium, Cambridge, Massachusetts, USA, August 1-4, 2004, 5 p.
51. **Ziat, M.**, Gapenne, O., Lenay, C., Stewart, J. (2004) Acuité perceptive via une interface pseudo-haptique. *16th French-speaking conference on Humain Computer Interaction (ACM IHM'04)*, Namur, Belgique, 30 août 30 - 3 septembre, 2004, 263-266.

### *Abstracts and Demos*

1. **Ziat, M.**, Chin, K., Raisamo, R. (2020). Emotional Ratings of the Cutaneous Rabbit Illusion: Effects of Visual Locomotion and Tactile Duration. *Psychonomic Society Meeting, Virtual*. **(Talk)**
2. **Ziat, M.**, deGrobois, J., Bazen, R., Misse, D.-A., Cabe, P. (2019) String-mediated Force-based Haptic Perception of Shape from Motion. *Psychonomic Society Meeting, Montreal, Canada, November 2019*. **(Poster)**
3. Murray, C., Gaboury, H., Angel, M., **Ziat, M.** (2019) Investigation of Fabric Texture Aversion in Haptodysporic Individuals. *Psychonomic Society Meeting, Montreal, Canada, November 2019*. **(Poster)**
4. **Ziat, M.**, Johannessen, C., Snell, K., Raisamo, R. (2017) How visual saltators affect the emotional dimensions of the cutaneous rabbit effect. *Psychonomic Society Meeting, Vancouver, Canada, November 2017*. **(Talk)**
5. **Ziat, M.** and Raisamo, R. (2017) How Saltational Animals Modulate the Emotional Dimensions of Saltation. *IEEE Worldhaptics 2017, Furstenfeldbruck, Germany, June 2017*. **(Demo)**
6. Schramski, K., Varney, J., Buentello, I., Newell, F., **Ziat, M.** (2016) Randomness in Touch: Perception of Local and Global Disturbances, *Psychonomic Society Meeting, Boston, MA, November 2016*. **(Poster)**
7. Morrow, K., **Ziat, M.** (2016) Tactile spatial acuity of the neck using a two-point orientation discrimination task, *Society for Neuroscience 2016, San Diego, CA, November 2016*. **(Poster)**

8. Morrow, K., Wilbern, D., Taghavi, R., Ziat, M. (2016) Vestibular-Tactile Substitution: Vertical Posture Correction using Vibrotactile Stimulation on the Neck, *IEEE Haptics Symposium 2016*, Philadelphia, PA, April 2016. **(Demo)**
9. Ziat, M., Yao, H.-Y., Hayward, V. (2016) FrontPanel: Enhancing Touch-Screen Accessibility for Seniors, *IEEE Haptics Symposium 2016*, Philadelphia, PA, April 2016. **(Demo)**
10. Ziat, M., Konieczky, C., Park, MK, Kakas, B., Rosenbaum, D. (2015) Potters Make Shorter Clay Pots at the Wheel When Their Vision, Touch, or Hearing Is Reduced, *Psychonomic Society Meeting*, Chicago, IL, November 2015. **(Talk)**
11. Schramski, K., Newell, F., Ziat, M. (2015) Good Gestalt: Orderliness Perception through Touch, *Psychonomic Society Meeting*, Chicago, IL, November 2015. **(Poster)**
12. Crowel, S., Messer, Z., Aday, J., Bratonia, C., Ziat, M. (2015) Negatively Connoted Music Increases Brain Activity in the Prefrontal Cortex: A NIRS Study, *Society for Neuroscience*, Chicago, IL, October 2015. **(poster)**
13. Shirtz, A., Morrow, K., Savord, A., Ziat, M. (2015) Virtual Mirror Box for Lower Limbs using EMG, *IEEE Worldhaptics 2015*, Evanston, IL, June 2015. **(Demo)**
14. Wilbern, D., Savord, A., Morrow, K., Ziat, M. (2015) Visual-Haptic Hallucinations, *IEEE Worldhaptics 2015*, Evanston, IL, June 2015. **(Demo)**
15. Haara, M., Stark, V., Johnson, D., Horn, J. Ziat, M. (2015) Virtual Exosuit with Haptic Feedback, *IEEE Worldhaptics 2015*, Evanston, IL, June 2015. **(Demo)**
16. Tsalamlal, M. Y., Rizer, W., Martin, J.-C., Ammi, M., Ziat, M. (2015) Evoked Related Potentials Using an Air Jet Tactile Stimulation, *Cognitive Neuroscience Society Meeting*, San Francisco, CA, March 2015. **(Poster)**
17. Rizer, W., Wilbern, D., Prychitko, S., Savord, A., Ziat, M. (2015) Haptic Hallucinations: Evidence from Event-Related Potentials, *Cognitive Neuroscience Society Meeting*, San Francisco, CA, March 2015. **(Poster)**
18. Balcer, C. A., Schirtz, A., Rolison, T., Ziat, M. (2014) Visual Cues Effects on Temperature Perception. *Psychonomic Society Meeting*, Long Beach, California, November 2014. **(Talk)**
19. Savord, A., Wisuri, E., Pless, P., Ziat, M. (2014) Kinesthetic Memory Adaptation in Flute Players, *BK25 Milestones in Music and Cognition*, Montreal, Canada, July 7-8<sup>th</sup> 2014. **(Poster)**
20. Ziat, M., Smith, E., Calvetti, C., Hayward, V. (2014) Ebbinghaus Illusion in Touch. *The UEA Perception and Action Workshop*, Norwich, UK, June 9<sup>th</sup>, 2014. **(Poster)**
21. Smith, E., Calvetti, C., Ziat, M., Hayward, V. (2014) How is the Ebbinghaus Illusion affected by touch? *Upper Peninsula Interdisciplinary Student Research Conference (UPIISR)*, Houghton, MI, April 22<sup>nd</sup>, 2014. **(Poster)**
22. Ziat, M., Konieczky, C., Kakas, B. (2014) Throwing of a Ceramic Cylindrical Vessel: How Height is Affected by Sensory Deprivation, *Upper Peninsula Interdisciplinary Student Research Conference (UPIISR)*, Houghton, MI, April 22<sup>nd</sup>, 2014. **(Poster)**
23. Savord, A., Wisuri, E., Pless, P., Ziat, M. (2014) Kinesthetic Memory Adaptation in Flute Players, *Upper Peninsula Interdisciplinary Student Research Conference (UPIISR)*, Houghton, MI, April 22<sup>nd</sup>, 2014. **(Talk)**

24. Fancher, J., Kilpela, K., Fridstom, J., Ziat, M. (2014) InGrid: Interactive Grid Table, *Upper Peninsula Interdisciplinary Student Research Conference (UPISR)*, Houghton, MI, April 22<sup>nd</sup>, 2014. **(Talk)**
25. Balcer, C. A., Rolison, T., Schirtz, A., Ziat, M. (2014) How Visual Cues Affect Tactile Temperature Perception, *Upper Peninsula Interdisciplinary Student Research Conference (UPISR)*, Houghton, MI, April 22<sup>nd</sup>, 2014. **(Talk)**
26. Wagner, S., Ziat, M. (2014) Night Landing Task Using a Haptic Device, *Upper Peninsula Interdisciplinary Student Research Conference (UPISR)*, Houghton, MI, April 22<sup>nd</sup>, 2014. **(Talk)**
27. Balcer, C. A., Schirtz, A., Rolison, T., Ziat, M. (2014) Is Seeing Warm, Feeling Warm?, *IEEE Haptics Symposium 2014*, Houston, TX, February 2014. **(Demo)**
28. Brewster, P., Hock, C., Flint, L., Lanthier, A., Ziat, M., Dow, D., Hartman, M. (2014) BCI - Tactile Cursor Task, *IEEE Haptics Symposium 2014*, Houston, TX, February 2014. **(Demo)**
29. Rolison, T., Ziat, M. (2014) Do You Feel the Music?, *IEEE Haptics Symposium 2014*, Houston, TX, February 2014. **(Demo)**
30. Ziat, M., Konieczny, C., Kakas, B. (2013) Multimodal Integration During the Shaping of a Round Ceramic Cylinder, *Psychonomic Society Meeting 2013*, p.231, Toronto, ON. **(Poster)**
31. Fancher, J., Smith, E., Ziat, M. (2013) Haptic Hallucination Sleeve, *IEEE WorldHaptics 2013*, Daejeon, Korea, April 2013. **(Demo)**. **Nominated for Best Demo Award (top 3/ 80 demos)**.
32. Ziat, M., Hayward, V., Pless P., Sicotte C. (2012) Tactile Suppression of Displacement Device, *IEEE Haptics Symposium 2012*, Vancouver, Canada, March 2012. **(Demo)**
33. Ziat, M., Hayward, V., Servos, P., and Ernst, M. (2011) Visuomotor Coordination under two types of reflections, *Psychonomic Society 2011*, Seattle, WA. **(Poster)**
34. Servos, P., Ziat, M. (2011) Tactile Suppression of Displacement: Early evidence using ERP, *ISBN 2011*, Verona, Italy. **(Talk)**
35. Ziat, M., Servos, P., Hayward, V., Saoud, W. (2011) Tactile Suppression of Displacement: Evidence from Event-related Potentials, *CNS 2011*. **(Poster)**
36. Servos, P., Boyd, A., Planetta, J., Ziat, M. (2011) Somatosensory Maps in Time and Space, *Canada Research Chair*, Nov. 24th, 2010, Toronto. **(Poster)**
37. Frissen, I., Ziat, M., Campion, G., Hayward, V., Guastavino, C. (2009) Auditory-tactile temporal order judgments during active exploration, *IMRF 2009*. **(Poster)**
38. Ziat, M., Hayward, V., Chapman, C. E., Ernst, M., Lenay, C. (2008) Revisiting the fingertip-fovea analogy, *Perception 37 (ECP 2008 Abstract Supplement)*, 08 2008. **(Poster)**
39. Ziat, M., Gapenne, O., Lenay, C., Stewart, J., and Aubert, D. (2008) Tactos: a sensory substitution device for an active perception, *IEEE Worldhaptics'07 supplement*, Tsukuba, Japan (March 22-24, 2007). **(Demo)**
40. Ziat, M., Gapenne, O., Lenay, C. and Stewart, J. (2002) Prothèses Perceptives: Acuité dynamique et stratégies d'explorations, *Journée du Réseau de sciences cognitives d'Ile-de-France*, Collège de France, Paris, France, 18 octobre 2002, page 50. **(Poster)**
41. Ziat, M., Gapenne, O., Lenay, C. and Stewart, J. (2001) Study of the dynamical acuity through a sensory substitution device in blindfolded subjects. *Movement, action and consciousness: toward a*



*physiology of intentionality. A symposium in honor of Marc Jeannerod*, Institut for Cognitives Sciences, Lyon, France, 27-28 septembre, 2002. **(Poster)**

## Workshops

1. **Ziat, M.** (2016) Haptic Guidelines for BCI Research, BCI Meeting 2016, Pacific Grove, June, 2016
2. Guger, C., **Ziat, M.** (2015) Current and future applications of non-invasive and invasive BCIs, g.TEC and Northern Michigan University, October 23rd, 2015.
3. **Ziat, M.**, Frisoli, A., van Erp, J. (2014) Non-Invasive BCI and Haptics, Eurohaptics 2014, Versailles, France, June, 2014
4. **Ziat, M.**, Frisoli, A., van Erp, J., Guger, C. (2014) Brain Computer Interfaces & Haptics, IEEE Haptics Symposium 2014, Houston, TX, February, 2014.
5. Rutkowski, T., Kapeller, C., Hori, G., **Ziat, M.**, Chang M., and Moru, H. (2013) Tactile and Bone-Conduction Based BCI Paradigms - State of the Art, Challenges and Potential New Applications, *The 5th International Brain-Computer Interface Meeting (BCI'13)*, Pacific Grove, California, June 3-7, 2013.
6. **Ziat, M.** and Lecuyer, A. (2013) Workshop on haptics and BCI (Brain-Computer Interface), Daejeon, *IEEE WorldHaptics 2013*, April 2013.

## Thesis

1. **Ziat, M.** (2006) Learning and usage of a zoom function implemented in a mobile tactile interface, Ph.D Thesis, UTC, November 2006. **Nominated for Best Thesis of the Year (2006) and published by the PAF (Presses Academiques Francaises) in August 2013.** ISBN: 978-3841622198
2. **Ziat, M.** (2002) Dynamic Acuity of a Sensory substitution device, Master Thesis, UTC, September 2002.

## Submitted/ In Progress

1. **Ziat, M.**, Morrow, K. Haptic Hallucination Sleeve: Bug-like Sensations Display Larger ERPs, Submitted to *Critical Reviews in Neurobiology*.
2. **Ziat, M.**, Saoud, W., Prychitko, S., Servos, P., Grondin, S. Progress Bars and Throbbers for Studying the Continuous and Discontinuous Nature of Time.
3. **Ziat, M.**, Servos, P., Hayward, V., Saoud, W. Event-related Potentials: Evidence for Tactile Suppression of Displacement.
4. **Ziat, M.**, Hayward, V., Servos, P., Ernst, M. Mental Rotations, Reflections and Visuo-motor Conflicts.

## Talks

### Invited Talks

- "TBA", BostonCHI, April 13<sup>th</sup>, 2021.
- "*The Affective Dimensions of the Cutaneous Rabbit Effect*", Affective Haptics as a Direct Link to Emotion Workshop, Worldhaptics Conference, 2019, Tokyo, Japan, July 9<sup>th</sup>, 2019.
- "*AV Technology and Design*", The Future of Automobile Conference, Petersen Automotive Museum, May 3<sup>rd</sup>, 2018. Link: <https://www.futureoftheautomobile.org/>

- *"Haptics in Automobiles"*, Petersen Automotive Museum, April 28<sup>th</sup>, 2018.
- *"Perceptual Illusions II"*, PSY201: Critical Thinking, Chapman University, January 17<sup>th</sup>, 2018.
- *"Perceptual Illusions I"*, PSY201: Critical Thinking, Chapman University, January 10<sup>th</sup>, 2018.
- *"How visual saltators affect the emotional dimensions of the cutaneous rabbit effect"*, Istituto Italiano di Tecnologia, Genoa, Italy, December 1<sup>st</sup>, 2017
- *"Learning Tangible Interaction from Seniors"*, Workshop on Haptic Interfaces for Accessibility, Worldhaptics, Furstenfeldbruck, Germany, June 6<sup>th</sup>, 2017
- *"Haptics for Human Perception"*, Istituto Italiano di Tecnologia, Genoa, Italy, April 7<sup>th</sup>, 2017
- *"Haptics and Tangible User Interfaces"*, School of Information Sciences, University of Tampere, December 8<sup>th</sup>, 2016
- *"Haptics for Human Perception"*, School of Information Sciences, University of Tampere, October 13<sup>th</sup>, 2016
- *"The Neck: Sensory Substitution and BCI"*, Ladan Shams' lab meetings, UCLA, August 9<sup>th</sup>, 2016
- *"Haptics for Human Perception"*, Oculus Research, Redmond, July 21<sup>st</sup>, 2016
- *"Haptics for Human Perception"*, Ladan Shams' lab meetings, UCLA, July 19<sup>th</sup>, 2016
- *"Psychology and Physiology of Touch"*, BCI'16, Pacific Grove, CA, June 2<sup>nd</sup>, 2016
- *"Haptics for Human Perception"*, Yon Visell' lab meetings, UCSB, May 20<sup>th</sup>, 2016
- *"Potters Make Shorter Clay Pots at the Wheel When Their Vision, Touch, or Hearing Is Reduced"*, Ladan Shams' lab meetings, UCLA, December 9<sup>th</sup>, 2015
- *"Haptics and BCI"*, G.TEC and NMU workshop, NMU, October 23<sup>rd</sup>, 2015
- *"Haptics"*, Ladan Shams' lab meetings, UCLA, July 22<sup>nd</sup>, 2015
- *"Lighting up the brain with tactile inputs"*, Haptics for Neuroscience and Neuroimaging (HNN) Workshop, ICRA'15, Washington State Convention Center, May 26<sup>th</sup>, 2015.
- *"The effect of Visual, Haptic, and Auditory Signals Perceived from Rumble Strips during Inclement Weather"*, NMU Scholarship Recognition Reception, Marquette, MI, April 16<sup>th</sup>, 2015.
- *"Tactile Suppression of Displacement: Evidence from Events-Related Potentials"*, Workshop "New perspectives in sensorimotor integration: predictive sensory suppression & tactile perception during movement", University of Giessen, Germany, January 11<sup>th</sup>, 2015.
- *"Illusions, embodied space, and multisensory integration"*, ISIR, Université Pierre et Marie Curie, Paris, France, 10<sup>th</sup> July 2014.
- *"Introduction to EEG and BCIs"*, Workshop on Non-Invasive BCI and Haptics, Eurohaptics'14, Versailles, Paris, 27<sup>th</sup> June 2014.
- *"Cross-Disciplinary between Computer Science and Psychology"*, NMU CS Seminar Series, Marquette, MI, 11<sup>th</sup> March 2014.
- *"Illusions, embodied space, and multisensory integration"*, Université de Sherbrooke, Quebec, 20<sup>th</sup> January 2014.
- *"Introduction to BCIs"*, Workshop on BCI and Haptics, Haptics Symposium'14, Houston, TX, 23<sup>rd</sup> February 2014.
- *"Ebbinghaus Illusion in the Tactile Modality"*, TRG (Tactile Research Group), Psychonomic Society satellite meeting, Toronto, ON, November 14<sup>th</sup>, 2013.
- *"Illusions, embodied space, and multisensory integration"*, Department of Cognitive and Learning Sciences, Michigan Tech, Houghton, MI, 14<sup>th</sup> October 2013.

- *"Illusions, embodied space, and multisensory integration"*, Immersion, Montreal, QC, 8<sup>th</sup> July 2013.
- *"Introduction to Haptics"*, Workshop on Haptics and BCI, BCI'13, Pacific Grove, CA, 6<sup>th</sup> June 2013.
- *"Optimal Integration of Multimodal Information during Inclement Weather Driving"*, Cognitive Neuroscience Department, University of Bielefeld, Germany, 22<sup>nd</sup> May 2013.
- *"InGrid: Interactive Grid Table"*, SIGCHI Paris, Paris, France, 25<sup>th</sup> April 2013.
- *"Introduction to BCIs"*, Workshop on Haptics and BCI, WHC'13, Daejeon, Korea, 14<sup>th</sup> April 2013.
- *"Human-Interaction Research Program"*, NMU CS Seminar Series, Marquette, MI, 2<sup>nd</sup> April 2013.
- *"Visuospatial Map Learning Through Action on Cell Phones"*, NMU Psychology Colloquia Series, Marquette, MI, November 9<sup>th</sup>, 2012
- *"Tactile Suppression of Displacement: Evidence of ERP"*, TRG 2011, Seattle, WA, November 3<sup>rd</sup>, 2011.
- *"Revisiting the fingertip-fovea analogy"*, Special Lecture, WLU, Waterloo, ON, Canada, May 5<sup>th</sup>, 2008.
- *"Revisiting the fingertip-fovea analogy"*, CIM Thursday Reparti-Perception Meetings, McGill University, Montreal, QC, Canada, May 1<sup>st</sup>, 2008.

### Conference Presentations

- *"Emotional Ratings of the Cutaneous Rabbit Illusion: Effects of Visual Locomotion and Tactile Duration"*, Psychonomic Society Meeting, November 20<sup>th</sup>, 2020.
- *"Effects of Visual Locomotion and Tactile Stimuli Duration on the Emotional Dimensions of the Cutaneous Rabbit Illusion"*, ICMI, October 28<sup>th</sup>, 2020.
- *"How visual saltators affect the emotional dimensions of the cutaneous rabbit effect"*, Psychonomic Society Meeting, Vancouver, Canada, November 11<sup>th</sup>, 2017.
- *"Haptic feedback to compensate for the Absence of Horizon Cues during Landing"*, TRG (Tactile Research Group), Eurohaptics 2016, London, UK, July 7<sup>th</sup>, 2016.
- *"A century later, the hue-heat hypothesis: does color affect truly temperature perception?"*, TRG (Tactile Research Group), Eurohaptics 2016, London, UK, July 7<sup>th</sup>, 2016.
- *"Potters Make Shorter Clay Pots at the Wheel When Their Vision, Touch, or Hearing Is Reduced"*, Psychonomic Society Meeting, Chicago, IL, November 22<sup>nd</sup>, 2015.
- *"The effect of Visual, Haptic, and Auditory Signals Perceived from Rumble Strips during Inclement Weather"*, Worldhaptics'15, Evanston, IL, June 24<sup>th</sup>, 2015.
- *"Visual Cues Effects on Temperature Perception"*, Psychonomic Society Meeting, Long Beach, CA, November 22<sup>nd</sup>, 2014.
- *"Tactile Spatial Segregation"*, TRG (Tactile Research Group), Psychonomic Society satellite meeting, Long Beach, CA, November 20<sup>th</sup>, 2014.
- *"InGrid: Rethinking the Embodied Space"*, CHI'2013 Workshop, Paris, France, 28<sup>th</sup> April 2013
- *"The Progress Bar as a Time Metaphor of Continuity and Discontinuity"*, ACM CHI'2013 Workshop, Paris, France, 27<sup>th</sup> April 2013

- “Plucked string stiffness affects loudness perception”, Daejeon, Korea, HAID’2013, 19<sup>th</sup> April 2013
- “Manipulation d’un zoom haptique continu via un dispositif de substitution sensorielle”, 19<sup>th</sup> French-speaking conference on Human Computer Interaction (IHM’07), Paris, November 17-12th, 2007
- “Design of a Haptic Zoom: levels and steps”, Worldhaptics’07, Tsukuba, Japan, March 22-24, 2007
- “Perception limits of a sensory substitution device by using an acuity test”, Human Machine iNteraction Conference (Human’07), Timimoun, Algeria, March 12-14, 2007
- “Checking the two-third power law for shapes explored via a sensory substitution device”, 2<sup>nd</sup> International Conference on Enactive Interfaces (ENACTIVE’06), Montpellier, France, November 20-21, 2006, 95-96
- "Haptic Differentiation between Different Scales", DPPI’05, Oct. 2005, Eindhoven, the Netherlands
- “Etude préliminaire visant la détermination de seuils de confort pour un zoom haptique”, IHM’05, Sep. 2005, Toulouse, France
- “Acuité perceptive via une interface pseudo-haptique”, IHM’04, Sep. 2004, Namur, Belgium
- "Scaling form or sensor: A question for the design of a pseudo-haptic zoom dedicated to PDA", DIS’04 (Doctoral Consortium), Aug. 2004, Cambridge, Massachusetts, USA

## Teaching Experience

**08. 19 – to date**

**Bentley University**

Associate Professor

- HF750: Testing and Assessment (Fall 19/20; Spring 21).
- HF766: Multimodal Experience Design (Fall 20)
- HF799: Future Interactions (Fall 19).
- HF751: Measuring the User Experience (Spring 20/21).
- IDCC386: Research Methods (Spring 20).

**08. 11 – 08.19**

**Northern Michigan University**

Assistant/Associate Professor

- PY100S: Introduction to Psychology (Summer 15-17 (web)).
- PY241: Child Psychology (Summer 16-17 (web)).
- PY211: Learning (Fall 11-18 / 15-17 (web), Winter 12-14 / 15-16 (web), and Summer 12-16 (web)).
- PY311: Thinking and Cognition (Fall 11-18 and Summer 12 (web)).
- PY410: Sensation and Perception (Winter 12-17, Fall 13).
- PY561: Advanced Cognition (Winter 13).
- PY512: Advanced Learning and Memory (Winter 14, Winter17).

**01. 11 – 05. 11**

**University of Guelph-Humber**

Sessional Lecturer

- AHSS1120: Principles of Psychology (Winter 11).

**10. 02 – 07. 07**

**Compiegne University of Technology (UTC-France)**

Lecturer and Instructor

- NF22: Computer and applications (Spring 03-07 and Fall 04-06).

- HE05: Biology and cognition (Spring 03-04 and Fall 03).
- SC24\_1: Introduction to neurosciences (Spring 04 and Fall 03-04).
- SC24\_2: Cognitive Science and learning (Spring 05-07 and Fall 05-06).

## Ph.D. Thesis Committees

<b>Genoa - Italy</b> <b>April 6<sup>th</sup>, 2017</b>	<b>MariaCarla Memeo</b> , <i>Interactive and effective representation of digital content through touch using local tactile feedback</i>
<b>Tampere, Finland</b> <b>May 17<sup>th</sup>, 2017</b>	<b>Jani Lylykangas</b> , <i>Regulating Human Behavior with Vibrotactile Stimulation (Thesis Opponent)</i>
<b>Porte Alegre, Brazil</b> <b>July 16<sup>th</sup>, 2018</b>	<b>Victor Adriel de Jesus Oliveira</b> , <i>Design and assessment of haptic interfaces: an essay on proactive haptic articulation.</i>

## Editorial Committees and Ad-Hoc Reviews

<b>Montreal - 2021</b>	<b>Associate Editor</b> , <i>WorldHaptics'21</i>
<b>Leiden - 2020</b>	<b>Program Committee</b> , <i>EuroHaptics'20</i>
<b>Tokyo - 2019</b>	<b>Program Committee</b> , <i>WorldHaptics'19</i> <b>Demo Award Committee</b> , <i>WorldHaptics'19</i>
<b>San Francisco - 2018</b>	<b>Program Committee</b> , <i>Haptic Symposium'18</i>
<b>Munich - 2017</b>	<b>Associate Editor</b> , <i>Worldhaptics'17</i>
<b>2017</b>	<b>Reviewer</b> for the <i>EuroHaptics Society PhD award 2016</i>
<b>Jan. 2016</b>	<b>External reviewer</b> for the <i>Israeli Ministry of Science, Technology and Space, 2016 Research Program "Maimonide-Israel"</i>
<b>London - 2016</b>	<b>Award Committee</b> for best poster, <i>Eurohaptics'16</i> <b>Program Committee</b> , <i>EuroHaptics'16</i>
<b>Jun. 2015</b>	<b>Editorial Board</b> , <i>Haptic Magazine.</i>
<b>2014-2015</b>	<b>NIH Early Career Reviewer</b> , <i>Biobehavioral and Behavioral Processes (BBBBP) section.</i>
<b>2015</b>	<b>Editorial Committee</b> , <i>Intellectica: the journal of the French Assoc. for Research on Cognition</i>
<b>Philadelphia - 2016</b>	<b>Program Committee</b> , <i>Haptic Symposium'16</i>
<b>2015</b>	<b>Reviewer</b> for the <i>EuroHaptics Society PhD award 2014</i>
<b>Chicago - 2015</b>	<b>Associate Editor</b> , <i>Worldhaptics'15</i>
<b>Sept. 14</b>	<b>NSF External Reviewer</b> , <i>Perception, Action, and Cognition program.</i>

<b>Versailles - 2014</b>	<b>Award Committee</b> for best paper presentation, Eurohaptics'14 <b>Program Committee</b> , Eurohaptics'14
<b>Houston – 2014</b>	<b>Program Committee</b> , Haptic Symposium'14
<b>Tampere - 2012</b>	<b>Program Committee</b> , Eurohaptics'12
<b>Seattle - 2011</b>	<b>Program Committee</b> of the TRG (Tactile Research Group) meeting 2011 in conjunction with the Psychonomic Society meeting
<b>St. Louis - 2010</b>	<b>Program Committee</b> of the TRG (Tactile Research Group) meeting 2010 in conjunction with the Psychonomic Society meeting
<b>Boston - 2009</b>	<b>Program Committee</b> of the TRG (Tactile Research Group) meeting 2009 in conjunction with the Psychonomic Society meeting
<b>Journals' reviews</b>	<b>Frontiers in Psychology</b> (1 article); <b>BCI</b> (1 article); <b>IJHCI</b> (1 article); <b>Acta Psychologica</b> (1 article); <b>Psychonomic Bulletin &amp; Review</b> (1 article); <b>Presence - MIT Press</b> (3 articles); <b>European Journal of Cognitive Psychology</b> (1 article); <b>IEEE Transactions on Systems, Man, and Cybernetics--Part A: Systems and Humans</b> (1 article); <b>ACM Transactions on Applied Perception</b> (4 articles), <b>IEEE Transactions on Haptics</b> (11 articles); <b>Assistive Technology</b> (2 articles); <b>PLoS ONE</b> (5 articles).
<b>Conferences' reviews</b>	<b>CHI'15</b> (4 articles), <b>Eurohaptic'14</b> (MetaReviewer: 5 articles), <b>IROS'14</b> (1 article), <b>Haptics symposium'14</b> (MetaReviewer : 8 articles), <b>CHI'13</b> (1) ; <b>WHC'13</b> (3 articles); <b>UIST'12</b> (2 articles); <b>Eurohaptics'12</b> : (5 articles); <b>Haptics symposium'12</b> (2 articles); <b>Worldhaptics'11</b> (3 articles); <b>Eurohaptics'10</b> (2 articles); <b>IHM'2008</b> (Conférence Francophone d'Interaction Homme Machine) (2 articles); <b>ICMI'05</b> (2 articles); <b>HCI'05</b> (2 articles)

## Meetings, Conferences, and Workshops Organization

<b>Montreal- 2021</b>	<b>Organizing committee (Virtual and Local Arrangement chair)</b> , WorldHaptics'21
<b>San Francisco- 2018</b>	<b>Organizing committee (Demo chair)</b> , Haptic Symposium'18
<b>Philadelphia - 2016</b>	<b>Organizing committee (Finance chair)</b> , Haptic Symposium'16
<b>Chicago - 2015</b>	<b>Organizing committee (Workshop/Tutorial chair)</b> , WorldHaptics 2015
<b>Marquette - 2015</b>	<b>Conference organizing committee</b> , UPISR 2015
<b>Houghton - 2014</b>	<b>Conference organizing committee</b> , UPISR 2014
<b>Versailles - 2014</b>	<b>Workshop Organization on Non-Invasive BCI and Haptics – EuroHaptics'14</b> <b>Organizing committee (Intern. Liaison Chair)</b> , Eurohaptics'14
<b>Houston - 2014</b>	<b>Organizing committee (SV chair)</b> , Haptic Symposium'14
<b>Daejeon - 2013</b>	<b>Workshop Organization on Haptics and BCI – WorldHaptics'13</b>

<i>Vancouver – 2012</i>	<i>Organizing committee (Student Volunteer Chair), Haptic Symposium'12</i>
<i>Seattle – 2011</i>	<i>Organizer Chair of the TRG (Tactile Research Group) meeting 2011 in conjunction with the Psychonomic Society meeting</i>
<i>St. Louis – 2010</i>	<i>Organizer Chair of the TRG (Tactile Research Group) meeting 2010 in conjunction with the Psychonomic Society meeting</i>
<i>Boston – 2009</i>	<i>Organizer Chair of the TRG (Tactile Research Group) meeting 2009 in conjunction with the Psychonomic Society meeting</i>
<i>Compiègne - 2004</i>	<i>Organizing committee of ARCo'04 (The ninth colloquium of the Association for the Cognitive Research)</i>

## Professional Affiliations

<i>2018 to date</i>	<i>Member of EPAEG (Ergonomie Psychologische AEsthetik Gestalt)</i>
<i>2015 to date</i>	<i>Member of Psy Chi</i>
<i>2013 to date</i>	<i>Fellow Member of Psychonomic Society</i>
<i>2011 to date</i>	<i>Member of the Cognitive Neuroscience Society (CNS)</i>
<i>2008 to date</i>	<i>Member of the TRG (Tactile Research Group)</i>
<i>2007-2017</i>	<i>Member of the IEEE Technical Committee on Haptics (TCH)</i>
<i>2016-2017</i>	<i>Member of The Institute of Electrical and Electronics Engineers (IEEE)</i>
<i>2015-2017</i>	<i>Member of Society of Neuroscience (SfN)</i>
<i>2005-2017</i>	<i>Member of the Association for Computing Machinery (ACM)</i>
<i>2004-2007</i>	<i>Member of the European Project (Enactive)</i>
<i>2003-2005</i>	<i>Member of the National French Project (TCAN)</i>
<i>2001-2007</i>	<i>Member of TSH (Technology and Human Sciences), UTC</i>
<i>2003-2005</i>	<i>Member of ARCo (Association for the Cognitive Research, Compiègne, France)</i>

## University Services

<i>Fall12 to Winter19</i>	<i>Member of the Educational Technology Resources and Policy Committee (ETRPC)</i>
<i>2011 – 2018</i>	<i>NMU Faculty search committee NMU Psychology graduate committee NMU academic adviser (20 students a semester)</i>
<i>Winter14 - Fall18</i>	<i>Director of the Neuroscience Program</i>
<i>Fall15 – Winter16</i>	<i>Psy Chi Students' Adviser</i>

Fall12 NMU Quality Assurance Director *search committee*  
2002 - 2003 Students' representative at TSH department office, UTC

### Research Advising

08.19 – to date **Bentley University**  
3 undergraduate research students, 4 graduate students  
08.11 – 12.19 **Northern Michigan University**  
80 undergraduate research students, 10 master students, and 1 postdoc student  
Fall09 - Summer 11 **Wilfrid Laurier University**  
5 undergrad research students and 3 master students  
Summer 08 **McGill University**  
2 undergraduate research students  
Fall 05 - Spring 06 **Compiegne University of Technology**  
5 undergraduate research students

### Computer Skills

- Experience with Windows, Linux and Macintosh
- **Numerical Analysis** with MATLAB, Microsoft Excel, SPSS, Mathematica, R
- **Surveys:** Qualtrics, UserTesting
- **Database:** MS Access 9x/200x
- **Text editing:** MS Word, Latex
- **Programming:** C/C++, Visual Basic, Java, Netbeans, Matlab, Psychtoolbox, VBA for Excel and Access
- **Web:** html, css, plone and zone management, FrontPage, SharePoint Designer, Macromedia Dreamweaver
- **Imaging/Signal/Vision:** Brain Voyager, NeuroScan (Stim and Scan), EGI Geodesics (NetStation and E-Prime), Eye-tracker (iscan), EEGLab, ERPLab, FSL, Homer, STM.
- **Other software:** Adobe Illustrator, Adobe Photoshop, Adobe Premiere, Corel draw, Corel House, MS Publisher, Macromedia Flash, Cinema 4D, Camtesia Studio.

### Webmaster

- ❑ **Webmaster and administrator** of NMU Psychology Department website: <http://psychology.nmu.edu/> website between 2011 and 2015
- ❑ **Webmaster and administrator** of TRG (Tactile Research Group) website: <http://trg.objectis.net>
- ❑ **Webmaster** of ARCo (Association for Cognitive Research) website between 2003 and 2006
- ❑ **Webmaster** of the website of ARCo'04 (the ninth colloquium of the Association for the Cognitive Research, Compiegne – France)

### Languages

- ❑ **English:** Advanced, **Arabic:** Native speaker, **French:** Native speaker, **German:** Beginner, **Chinese:** Beginner.