María Alejandra Quirós Ramírez

Maienfeldstr. 33, Tübingen 72074, DE • +49(0)17698974063 • alejandra.quiros@tuebingen.mpg.de • http://alejandraquiros.info

EDUCATION

Ph.d., Intelligent Interaction Technologies. University of Tsukuba, Japan.   Nov. **2014**
"Cross-Cultural Emotion Recognition Based on Facial Cues and its Application
to Human Machine Interaction"

M.Sc., Computer Science. University of Tsukuba, Japan   Mar. **2011**
"Representation of shape by medial axis in the cerebral cortex"

B.Sc., Computer Engineering. Costa Rica Institute of Technology   Nov. **2007**

PROFESSIONAL EXPERIENCE

Max Planck Institute for Intelligent Systems.   May **2015** – present
Perceiving Systems, Germany
Postdoctoral research scientist

Body Labs Inc. New York.   Aug. **2016** – present
Scientific consultant

University of Tsukuba.   Apr. **2008** – Mar. **2009**
Computer Science Department. Tsukuba, Japan
Scientific researcher

AWARDS & HONORS

Japan Educational Exchanges and Services.   Apr. – Nov. **2014**
Graduate studies fund

Japanese Ministry of Education, Culture, Sports,   Apr. **2008** – Mar. **2014**
Science and Technology
Graduate studies scholarship

INVITED TALKS

'Body Talk: Crowdshaping Realistic 3D Avatars with Words'   Sept. **2016**
German Research Center for Artificial Intelligence. Saarbrücken, Germany.

'El camino está abierto' (The road is open).   Mar. **2016**
Instituto Tecnológico de Costa Rica. San José, Costa Rica.
Women's Day/Women in Engineering

‘El intelecto no alcanza’ (Our intellect is not enough)   Mar. **2016**
TEDxPuraVida. Alajuela, Costa Rica.

‘Gaming: A two way mirror to society’   Mar. **2015**
Cologne Game Lab. Cologne, Germany.

RELEVANT SKILLS

Programming (python, javascript, java, C#, matlab)   Experimental design and statistics
Human behavior analysis   Naturalistic behavioral databases
Emotion elicitation   Amazon Mechanical Turk

PUBLICATIONS

Manuscripts under review

Quiros-Ramirez, M.A., Streuber, S., and Black, M.J., 2017. *Three-dimensional body shape and political identification bias the assignment of social judgments.* Nature.

Refereed Journal Articles

Streuber, S., Quiros-Ramirez, M.A., Hill, M.Q., Hahn, C.A., Zuffi, S., O'Toole, A. and Black, M.J., 2016. *Body talk: Crowdshaping realistic 3D avatars with words.* ACM Transactions on Graphics (TOG), 35(4), p.54.

Quiros-Ramirez, M.A. and Onisawa, T., 2015. *Considering cross-cultural context in the automatic recognition of emotions.* International Journal of Machine Learning and Cybernetics, 6(1), pp.119-127.

Refereed Conference Proceedings

Quirós-Ramírez, M.A. and Onisawa, T., 2014, October. *Cultural dimension in emotion recognition for human machine interaction.* In Systems, Man and Cybernetics (SMC), 2014 IEEE International Conference on (pp. 711-716). IEEE.

Quiros-Ramirez, M.A., Polikovsky, S., Kameda, Y. and Onisawa, T., 2014, June. *A Spontaneous Cross-Cultural Emotion Database: Latin-America vs. Japan.* In KEER2014. Proceedings of the 5th Kansei Engineering and Emotion Research; International Conference (No. 100, pp. 1127-1134). Linköping University Electronic Press.

Quiros-Ramirez, M.A., Polikovsky, S., Kameda, Y. and Onisawa, T., 2012, November. *Towards developing robust multimodal databases for emotion analysis.* In Soft Computing and Intelligent Systems (SCIS) and 13th International Symposium on Advanced Intelligent Systems (ISIS), 2012 Joint 6th International Conference on (pp. 589-594). IEEE.

Polikovsky, S., Quiros-Ramirez, M.A., Onisawa, T., Kameda, Y. and Ohta, Y., 2012, November. *A non-invasive multi-sensor capturing system for human physiological and behavioral responses analysis.* In IAPR Workshop on Multimodal Pattern Recognition of Social Signals in Human-Computer Interaction (pp. 63-70). Springer Berlin Heidelberg.

Quiros-Ramirez, M.A. and Onisawa, T., 2012, October. *Assessing emotions in a cross-cultural context.* In Systems, Man, and Cybernetics (SMC), 2012 IEEE International Conference on (pp. 2967-2972). IEEE.

Polikovsky, S., Quiros-Ramirez, M.A., Kameda, Y., Ohta, Y. and Burgoon, J., 2012, August. *Benchmark Driven Framework for Development of Emotion Sensing Support Systems.* In Intelligence and Security Informatics Conference (EISIC), 2012 European (pp. 353-355). IEEE.

TEACHING EXPERIENCE

Instituto Tecnológico de Costa Rica. Cartago, Costa Rica.

Operative Systems (teaching assistant; 2006 – 2007)
Operational Research (teaching assistant; 2006 – 2007)

University of Tsukuba. Tsukuba, Japan.

Interdisciplinary research seminar (2013 – 2014)

TEACHING AREAS

Affective Computing   Human Computer Interaction
Artificial Intelligence   Data Structures and Algorithms

SUPERVISION

Internship   Luana Vaduva (Computational Linguistics, 2017)

LANGUAGES

Spanish ○ native speaker   Portuguese ○ good command
English ○ fluent   German ○ basic communication skills
Japanese ○ fluent   French ○ basic communication skills

REFERENCES

Michael J. Black, Director
Perceiving Systems Department
Max Planck Institute for Intelligent Systems
Spemannstrasse 34, 72076 Tübingen, Germany
+49 (0) 7071 601 1800
black@tue.mpg.de

Esteban Meneses, Director
National Advanced Computing Laboratory
National High Technology Center. San José, Costa Rica

+506 2519 5839
esteban.meneses@acm.org

Yoshinari Kameda, Professor
Graduate School of Systems and Information Engineering
3M304, 1-1-1 Tennoudai, Tsukuba, Ibaraki, 305-8573, Japan
+81 (0) 29 853 5256
kameda@image.esys.tsukuba.ac.jp

Betty Mohler, Group Leader
Space & Body Perception
Max Planck Institute for Biological Cybernetics
Spemannstrasse 44, 72076 Tübingen, Germany
+49 7071 601 217
betty.mohler@tuebingen.mpg.de