

María Alejandra Quirós Ramírez

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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

- University of Konstanz. Aug. 2018 – present
Department of Computer and Information Science
Virtual Reality for Collective Behavior Group
Postdoctoral research scientist
- Max Planck Institute for Intelligent Systems. Aug. 2018 – present
Perceiving Systems Department, Tübingen
Affiliated scientist
- Career break Sept. 2017– Aug. 2018
Parental leave, son born October 2017
- Body Labs Inc. New York. Aug. 2016 – Dec. 2017
Scientific consultant
- Max Planck Institute for Intelligent Systems. May 2015 – Oct. 2017
Perceiving Systems Department, Tübingen
Postdoctoral research scientist
- University of Cambridge. Dec. 2014 – Apr. 2015
Faculty of Economics
Experimentl economics
Postdoctoral fellow

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

CIS Solutions, Costa Rica. Nov. 2007 - Feb. 2008
Web developer

GRANTS & AWARDS

Max Planck Partner Group starting grant to start in Mar. 2019
Funds to start an independent research group in Costa Rica
(not yet accepted)

Best Poster Award for Walder, Quiros-Ramirez et al. Mar. 2018
DGESS Congress, Munich

Japan Educational Exchanges and Services Apr. - Nov. 2014
Graduate studies partial scholarship

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

INVITED TALKS

T.B.D. - Keynote Sept. 2019
Latin American Conference of Informatics, Panamá.

'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, php, C#, matlab)	Experimental design and statistics
Human behavior analysis	Naturalistic behavioral databases
Online experiments	Amazon Mechanical Turk
Crowdsourcing	Virtual Reality

PUBLICATIONS (and other output)

Patents

Streuber, S., Quirós Ramírez, M.A., Black, M., Zuffi, S., O’Toole, A.J., Hill, M.Q., Hahn, C.A. **2017**. *Crowdshaping realistic 3D avatars with words*. Pub. No. WO2017129827A1, Patent Pending.

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.

Conference Abstracts and Posters

Walder, L., Quiros-Ramirez, M.A., Mohler, B., Black, M.J., Keizer, A., Zipfel, S., Giel, K., Mölbert, S. **2018**. *Body Talk: Linguistic representation of bodies in patients with eating disorders*. Science. (in german: “*Körper Sprache: Sprachliche Repräsentation von Körpern bei Patientinnen*“)

LANGUAGES

Spanish ◦ native speaker
English ◦ fluent
Japanese ◦ fluent

Portuguese ◦ good command
German ◦ basic communication skills
French ◦ basic communication skills

REFERENCES

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Perceiving Systems Department
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Stephan Streuber, Assistant Professor
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