Jakub Złotowski

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Research Experience

- **University of Bielefeld** — Bielefeld, Germany
  Postdoctoral Fellow — *February 2017 – onwards*
  - Collaborators: Prof. Friederike Eyssel
  - Develops a computational model of attitude toward robots

- **Abu Dhabi University** — Abu Dhabi, United Arab Emirates
  Postdoctoral Fellow – Independent Consultant — *November 2016 – January 2017*
  - Collaborators: Dr. Ashraf Khalil and Dr. Salam Abdallah
  - Prepared, conducted and analyzed a study on acceptance of social robots in the Middle East

- **University of Bielefeld & University of Osaka** — Osaka, Japan
  Postdoctoral Fellow & Visiting Researcher — *June 2016 – August 2016 & July 2015 – September 2015*
  - Collaborators: Prof. Friederike Eyssel and Prof. Hiroshi Ishiguro
  - Worked on EU "Cognitive Development for Friendly Robots and Rehabilitation" project
  - Investigated multicultural differences in perception of androids
  - Applied the audience tuning effect to Human-Robot Interaction

- **University of Canterbury** — Christchurch, New Zealand
  Doctoral Thesis Research — *May 2012 – December 2015*
  - Developed a model of anthropomorphism for robots
  - Investigated processes involved in anthropomorphism
  - Introduced new measures of anthropomorphism that assess implicit, cognitive and physiological processes

- **Advanced Telecommunications Research Institute Int'l** — Kyoto, Japan
  Cooperative Researcher — *September 2013 – December 2014*
  - Advisors: Prof. Hiroshi Ishiguro and Dr. Shuichi Nishio
  - Empirically assessed habituation to the uncanny valley phenomenon
  - Conducted research on social acceptance of androids (android science)
  - Explored suitability of androids as companion robots

- **University of Salzburg** — Salzburg, Austria
  Research Fellow — *October 2010 – January 2012*
  - Worked on EU "Interactive Urban Robot" project
  - Managed the group as a stand-in project lead
  - Evaluated the robotic platform
  - Standardized questionnaires for social acceptance and user experience

- **University of Tampere** — Tampere, Finland
  Master Thesis Research — *September 2006 – September 2010*
  - Compared the social facilitation effect induced by a virtual agent and robot

Education

- **University of Canterbury** — Christchurch, New Zealand
  Ph.D. Human Interface Technology — *May 2012 – December 2015*
  - Advisor: Christoph Bartneck
  - Thesis: Understanding Anthropomorphism in the Interaction Between Users and Robots
- **University of Tampere** — Tampere, Finland
  M.Sc. Interactive Technology — *September 2006 – September 2010*
  - Advisor: Markku Turunen
  - Thesis: Comparison of Robots' and Embodied Conversational Agents' Impact on Users' Performance
  - Minor: Psychology and Hypermedia
- **Marshall University** — Huntington, WV, USA
  Atlantis Project Exchange Student — *August 2008 – May 2009*
- **University of Social Sciences and Humanities** — Warsaw, Poland
  Social Psychology of IT and Communication — *October 2004 – June 2006*
  - Studies transferred to the University of Tampere

Scholarships & Honours

Human Interface Technology Laboratory NZ Scholarship . . . . . 2012 – 2015
"Birthdata" project awarded 10000€ by Nokia Oyj 2010
Atlantis Project at Marshall University (EU-USA gov. scholarship) . . . . . 2008 – 2009
Dean's list (Marshall University) 2008
Erasmus programme at the University of Tampere (EU scholarship) . . . . . 2006 - 2007

Publications

Manuscripts Submitted

1. **Złotowski, J.**, Khalil, A. & Abdallah, S. (under review). *One size does not fit all. the relation between a social robot's appearance and its job suitability.*
2. **Złotowski, J.**, Sumioka, H., Bartneck, C., Nishio, S., & Ishiguro, H. (under review). *Understanding anthropomorphism: anthropomorphism is not a reverse process of dehumanization.*
3. **Złotowski, J.**, Sumioka, H., Nishio, S., Bartneck, C., Eyssel, F. & Ishiguro, H. (under review). *I think, therefore you can be a human: dual process of anthropomorphism.*

International Peer-Reviewed Journal Articles

1. **Złotowski, J.***, Yogeeswaran, K.* & Bartneck, C. (2017). Can we control it? autonomous robots threaten human identity, uniqueness, safety, and resources. *International Journal of Human-Computer Studies, 100*, 48–54.

2. Yogeeswaran, K.*, **Złotowski, J.***, Livingstone, M., Bartneck, C., Sumioka, H. & Ishiguro, H. (2016). The interactive effects of robot anthropomorphism and robot ability on perceived threat and support for robotics research. *Journal of Human-Robot Interaction, 5*, no. 2, 29-47.

3. **Złotowski, J.**, Sumioka, H., Nishio, S., Glas, D. F., Bartneck, C. & Ishiguro, H. (2016). Appearance of a robot affects the impact of its behaviour on perceived trustworthiness and empathy. *Paladyn, Journal of Behavioral Robotics, 7*, no. 1, 55–66.

4. **Złotowski, J.**, Sumioka, H., Nishio, S., Glas, D. F., Bartneck, C. & Ishiguro, H. (2015). Persistence of the uncanny valley: the influence of repeated interactions and a robot's attitude on its perception. *Frontiers in Psychology, 6:883*.

5. **Złotowski, J.**, Proudfoot, D., Yogeeswaran, K. & Bartneck, C. (2015). Anthropomorphism: opportunities and challenges in human–robot interaction. *International Journal of Social Robotics, 7*, no. 3, 347-360.

6. Gonsior, B., Landsiedel, C., Mirnig, N., Sosnowski, S., Strasser, E., **Złotowski, J.**, Buss, M., Kühnlenz, K., Tscheligi, M., Weiss, A. & Wollherr D. (2012). Impacts of multimodal feedback on efficiency of proactive information retrieval from task-related HRI. *Journal of Advanced Computational Intelligence and Intelligent Informatics (Special Issue on Cognitive Infocommunications), 16*, no. 2, 313-326.

* Indicates equal contribution

International Peer-Reviewed Conference Articles

1. Eyssel, F., Schiffhauer, B., Dalla Libera, F., Yoshikawa, Y., **Złotowski, J.**, Wullenkord, R. & Ishiguro, H. (2016). Mind attribution: from simple shapes to social agents. In *Proceedings of the 25th IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN), New York, NY, 2016*, 916-917.

2. Obaid, M., Sandoval, E. B., **Złotowski, J.**, Moltchanova, E., Basedow, C. A. & Bartneck, C. (2016). Stop! that is close enough. how body postures influence human-robot proximity. *Proceedings of the 25th IEEE International Symposium on Robot and Human Interactive Communication (RO-MAN), New York, NY, 2016*, 354-361.

3. **Złotowski, J.**, Strasser, E. & Bartneck, C. (2014). Dimensions of anthropomorphism: from humanness to humanlikeness. In *Proceedings of the Ninth Annual ACM/IEEE International Conference on Human-Robot Interaction (HRI'14)*, 66-73. IEEE Press. [**Acceptance rate 24%**]

4. **Złotowski, J.** (2013). Computational model of anthropomorphism for human-robot interaction. In *Proceedings of the Eight Annual ACM/IEEE International Conference on Human-Robot Interaction (HRI'13), Young Pioneers Workshop*, 76-77.

5. **Złotowski, J.** & Bartneck, C. (2013). The inversion effect in HRI: are robots perceived more like humans or objects?. In *Proceedings of the Eight ACM/IEEE International Conference on Human-Robot Interaction (HRI'13)*, 365-372. IEEE Press. [**Acceptance rate 25%**]

6. **Złotowski, J.**, Bleeker, T., Bartneck, C. & Reynolds, R. (2013). I sing the body electric: an experimental theatre play with robots. In *Proceedings of the Eight ACM/IEEE International Conference on Human-Robot Interaction (HRI'13)*, 427-428. IEEE Press.

7. **Złotowski, J.**, Proudfoot, D. & Bartneck, C. (2013). More human than human: does the uncanny curve really matter?. In *Proceedings of the Eight Annual ACM/IEEE International Conference on Human-Robot Interaction (HRI'13), Workshop on Design of Humanlikeness in HRI from Uncanny Valley to Minimal Design*, 7-13.

8. **Złotowski, J.**, Weiss, A. & Tscheligi, M. (2012). Navigating in public space: participants' evaluation of a robot's approach behavior. In *Proceedings of the Seventh Annual ACM/IEEE International Conference on Human-Robot Interaction (HRI'12)*, 283-284. IEEE Press.

9. Buss, M., Carton, D., Gonsior, B., Kuehnlenz, K., Landsiedel, C., Mitsou, N., De Nijs, R., **Złotowski, J.**, Sosnowski, S., Strasser, E., Tscheligi, M, Weiss, A. & Wollherr, D. (2011). Towards proactive human-robot interaction in human environments. In *CogInfoCom 2011: Proceedings of the 2nd International Conference on Cognitive Infocommunications*, 1-6.

10. **Złotowski, J.** (2011). Assessing short-term human-robot interaction in public space. In *Proceedings of the 13th IFIP TC 13 International Conference on Human-Computer Interaction - Volume Part IV*, Springer-Verlag, 370-373.

11. **Złotowski, J.**, Weiss, A. & Tscheligi, M. (2011). Interaction scenarios for HRI in public space. In *Proceedings of the 3rd International Conference on Social Robotics (ICSR'11)*, 1-10.

Teaching Experience

- **Special Topic: Puppets, Animated Film & Gaming** University of Canterbury
  Guest Lecturer *July 2012*
  - Conducted a workshop on robot animation and taught art students how to program robots that could be used in theater plays
- **Web Site Design and Programming in Delphi** University of Social Sciences and Humanities
  Mentor *January 2006 – June 2006*
  - Advised students on web site design and programming in Delphi

Academic Service

- Reviewer for the following journals and conferences:
  - ACM/IEEE International Conference on Human-Robot Interaction (HRI) 2015, 2016 & 2017
  - IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) 2013
  - IEEE Transactions on Human-Machine Systems
  - International Conference on Human-Agent Interaction (HAI) 2013 & 2014
  - International Conference on Social Robotics (ICSR) 2014 & 2016
  - International Journal of Human-Computer Studies (IJHCS)
  - International Journal of Social Robotics (IJSR)
  - International Symposium on New Frontiers in Human-Robot Interaction 2015 International Symposium on Robot and Human Interactive Communication (RO-MAN) 2017
  - Journal of Human-Robot Interaction (JHRI)
- Conference organization:
  - Registration Chair, ACM/IEEE International Conference on Human-Robot Interaction (HRI) 2017
  - Program Committee, International Conference on Social Robotics (ICSR) 2014

– Program Committee, International Conference on Human-Agent Interaction (HAI) 2014

Talks, Workshops & Conferences

- **The 9th Young Researchers' Retreat** — Nara, Japan
  Participant — *July 2015*
- **Dimensions of Anthropomorphism** — Bielefeld, Germany
  Oral Presentation at ACM/IEEE International Conference on HRI — *March 2014*
- **The Inversion Effect in HRI** — Tokyo, Japan
  Oral Presentation at ACM/IEEE International Conference on HRI — *March 2013*
- **Does the Uncanny Curve Really Matter?** — Tokyo, Japan
  Oral Presentation at HRI'13 Workshop on Design of Humanlikeness in HRI — *March 2013*
- **Computational Model of Anthropomorphism for HRI** — Tokyo, Japan
  ACM/IEEE HRI Young Pioneers Workshop — *March 2013*
- **An Experimental Theatre Play with Robots** — Tokyo, Japan
  ACM/IEEE International Conference on HRI — *March 2013*
- **Anthropomorphism in Robotics** — Christchurch, New Zealand
  Seminar Talk at the University of Canterbury — *February 2013*
- **Exploring Pre-Interaction Feedback in HRI** — Christchurch, New Zealand
  Seminar Talk at the University of Canterbury — *May 2012*
- **Assessing Short-Term Human-Robot Interaction in Public Space** — Lisbon, Portugal
  Oral Presentation at INTERACT'11 Doctoral Consortium — *September 2011*
- **Urban Interactions (UBI) Research Summer School** — Oulu, Finland
  Participant — *June 2010*

Media Coverage

- **Robot Considered Living Things, not Just Mere Objects**
  Radio New Zealand — *April 2013*
- **Bright Future for Robots Just Like Us**
  The New Zealand Herald — *October 2012*
- **Robots "May Be Treated Like Humans" in Future**
  The Press — *October 2012*
- **People Perceive Robots as Humans not Objects**
  Voxy NZ — *October 2012*
- **People Perceive Robots as Humans not Objects**
  InfoNews NZ — *October 2012*
- **People Perceive Robots as Humans not Objects**
  Scoop NZ — *October 2012*
- **People will treat robots like humans – researchers**
  NBR — *October 2012*

Technical Skills

- Programming Languages – R, Python, SQL
- Markup Languages & Software – LaTeX, Markdown, PsychoPy, MouseTracker, RStudio, SPSS, Git, E-Prime 2

Language Skills

- Polish – mother tongue
- English – proficient user, IELTS with score 8 (out of 9) in 2008
- Spanish – intermediate user

References

Available upon request