



**1. Full names:** Päivi Kristiina Jokinen

**2. Nationality:** Finnish

**3. Current position and date of appointment**

- Adjunct Professor (2004–), Project Director (2009–), Faculty of Behavioural Sciences, University of Helsinki
- Visiting Professor (Intelligent Interfaces), Institute of Computer Science, University of Tartu, 2006–

#### 4. Education

- Doctor of Philosophy, Computational Linguistics, University of Manchester Institute of Science and Technology (UMIST), Manchester, U.K. 1994. PhD Thesis: *Response Planning in Information Seeking Dialogues*.
- M.A., General Linguistics, University of Helsinki, 1986
- B.Sc., Physics and Mathematics, University of Helsinki, 1981
- Language skills: Finnish (mother tongue), English (near-native), Swedish (very good), Japanese (good), French (good passive), German (good passive)
- Formal education in pedagogy: University pedagogy courses (University of Helsinki), 2003-2004

#### 5. Previous professional appointments

- Visiting Professor, Dept of Information Systems, *Doshisha University*, Kyoto, Japan, 2009–2010
- Acting Professor, University Lecturer, Dept of General Linguistics, *University of Helsinki*, 2003–2006
- Project Director, Media Lab, *University of Art and Design*, Helsinki, 2001–04
- Senior Research Manager, *FLV Services n.v. division CELE* (Centre for Evolutionary Language Engineering), FLV Ieper, Belgium, 1999–2001
- Invited Researcher, *ATR Interpreting Telecommunications Research Laboratories*, Kyoto, Japan, 1997–1999
- JSPS Research Fellow, *Nara Institute of Science and Technology (NAIST)*, Nara, Japan 1994–96
- Research Associate: *UMIST* U.K. (1991–94), Research Assistant: *RUCL University of Helsinki* (1984–90)

#### 6. Research awards, honours and major stipendiary support for research

- JSPS (Japan Society for the Promotion of Science) Bridge Fellowship: Fellow at Doshisha University, Kyoto, Japan, November 2010
- NICT (National Institute of Information and Communications Technology in Japan) Visiting Professor at Doshisha University in Japan, 2009–2010
- Academy of Finland: Research Mobility Grant to Japan (ATR, Tokyo Institute of Technology, Tokyo University, NAIST), September 2007
- Nokia Foundation: Visiting Fellow in the Computational Semantics Laboratory, Stanford University, 2006
- Clare Hall Fellowship of the University of Helsinki: Visiting Fellow at the Computer Laboratory, University of Cambridge, 2004-2005
- Japan Society for the Promotion of Science (JSPS) Postdoctoral Fellowship to Nara Institute of Science and Technology (1994-1996)
- Centre Français Fellowship for research visits in France, 1991. Hosts: CNET (France Telecom Research Centre, Lannion) , CNRS-LIMSI (Groupe Langage et Cognition, Université Paris-Sud), LLI (Laboratoire Lannionnais d'Informatique, ENSSAT)

## 7. Editorial board memberships/editor

- Board of editors: *Frontiers ICT*, 2014 – , *Journal of Intercultural Communication*, 2009 – , *Northern European Journal of Language Technology*, 2007 –
- Editor of the *TiiS Special Issue on Eye-Gaze*, with Y.Nakano & R.Bednarik 2015
- Editor of *Proceedings of the 2<sup>nd</sup> International Symposium of Multimodal Interaction*, Tartu, Estonia, 2015
- Editor: *New Trends in Speech-based Interactive Systems*, Springer, with F.Chen 2010
- Editor of Special Issue of *Speech Communication* with M.McTear & J.Larson 2008
- Editor of several workshop proceedings

## 8. Elected memberships in scientific societies

- President (elected) *JSPS Alumni Club Finland*, 2013-
- Secretary-Treasurer (elected) of the *ACL-ISCA SIGDial*, 2004–
- Life Member, Clare Hall, University of Cambridge, 2005–

## 9. Research projects (Principal Investigator)

- Technology Agency of Finland (TEKES): Interact (2001-2003), 4M (2003-2005), PUMS (2003-06)
- Academy of Finland: CNUC (2007-08), Digital Citizens (2013-17), ONNI (2015-16)
- Nordforsk: NOMCO (2009-12), MUMIN (2002-04), Research Training School 2011
- EU-projects: COST2102 (2006-11), DUMAS (2002-04), Visionair (partner, 2012-13)
- Estonian Science Foundation (ETF): MINT (2013-2016)

## 10. Supervision of research work and postgraduate studies

- PhD supervisions:** 5 (two ongoing: Laxström, Vels)  
Board Member of LANGNET Graduate School 2009 –
- PhD evaluations:** 14 (in February 2016: F.Nothdurft, University of Ulm, Germany)
- MSc and MA supervisions:** 17
- Erasmus exchange:** initiated an agreement between University of Tartu and University of Ulm, Germany
- PhD and Research Training Courses organised**
  - *Pointing to Gestures*. Research Training School, University of Tartu, August 2014 <https://courses.cs.ut.ee/t/multimodalsummerschool2014/>
  - *Speech, gaze and gesturing – multimodal conversational interaction with Nao robot*. together with G.Wilcock at the 8th International Summer Workshop on Multimodal Interfaces (eNTERFACE), Metz, France, 2012 <http://enterface12.metz.supelec.fr/>
  - *Feedback, Communicative Gesturing, and Gazing*. NordForsk Research Training Course, Helsinki, May 2011 in the auspices of the CICERO Learning Network: <http://www.ling.helsinki.fi/kjokinen/nordforskCourse>
  - *Advanced Dialogue Systems: Affectivity, Adaptability and Multimodality*. ELSNET Summer School Belfast, UK, 2007, <http://www.cs.qub.ac.uk/elsnet2007/>
  - *Multimodal Interfaces*. Nordic Network for Multimodal Interaction (MUMIN) PhD-Course, Helsinki and Tampere, Finland, 2002
- Tutorials at academic conferences**
  - *Open-domain Conversations with Humanoid Robots*. IJCNLP, Nagoya Japan, October 2013 With Graham Wilcock <http://lang.cs.tut.ac.jp/ijcnlp2013/tutorials/>
  - *Multimodal conversational human-robot interactions*. HCII, Las Vegas, 2013 [http://2013.hci.international/index.php?module=pagesmith&uop=view\\_page&id=57](http://2013.hci.international/index.php?module=pagesmith&uop=view_page&id=57)

- *Open-domain Dialogues and Humanoid Robots*. COLING 2012, Mumbai, India, 2012. With Graham Wilcock
- *Multimodal Information: Collection and Analysis*. HCII, Orlando, 2011  
[http://www.hcii2013.org/index.php?module=pagesmith&uop=view\\_page&id=57](http://www.hcii2013.org/index.php?module=pagesmith&uop=view_page&id=57)
- *Natural Language Communication & Affordable Interfaces*. HCII San Diego, 2009
- *Constructive Dialogue Management for Speech-based Interaction Systems*. IUI, Sydney, 2006
- *Usability Theory and Practice in Speech-Based Interaction System Design*. Interspeech 2005, Lisbon, 2005. Together with F. Cheng
- *Dialogue Modelling for Speech-based Interaction Systems*. The 2<sup>nd</sup> Baltic Conference on Human Language Technologies, Tallinn, 2005

## 11. Other academic and professional activities

### a. Media coverage

- Interview at the Yle Oddasat YLE Sapmi (National Broadcasting Company Sami language News 24.2.2014: *Boahttevuodas áiggošedje skuvlet robohtaid sámegielain*  
<http://estreats27.rssing.com/browser.php?indx=14371100&item=1298>
- Participation in the panel *Robotit: ohjelmoitavasta oppijaksi ("Robots: from programmable to learning agents")* organised by YLE (National Broadcasting Company) in connection with the national Robottiviikko (RobotWeek) 29.11.2014  
<http://areena.yle.fi/tv/2099606> (the panel starts at about 2:20:00)
- Interview in the Estonian second largest newspaper Eesti Päevaleht 3.10.2013 about interaction technology: <http://epl.delfi.ee/archive/print.php?id=66832849>  
Related video: <http://tv.delfi.ee/varia/doktor-paivi-kristiina-jokinen-raagib-kehakeelest.d?id=67328888>

### b. Invited and plenary talks

- *WikiTalk as Elderly People's Companions – Prospects and Challenges for HRI*. Invited participant in the NII Shonan Meeting entitled *The Future of Human-Robot Spoken Dialogue: from Information Services to Virtual Assistants*, organized by Rafael E. Banchs, Sakriani Sakti, and Chiori Hori, Shonan, Japan, March 2015
- *Multimodal and Multilingual Human-Robot Interaction*. Invited participant in the Dagstuhl Seminar on *Computational Models of Cultural Behavior for Human-Agent Interaction*, organized by Elisabeth André, Ruth Aylett, Gert Jan Hofstede, Ana Paiva, Dagstuhl, Germany, March 2014
- *Studying multimodal communication with eye-tracking*. Invited talk at The 1<sup>st</sup> European Symposium on Multimodal Communication, Malta, 2013
- *Eye-trackers and Human Communication*. Talk at the eNTERFACE 2012 (The 8<sup>th</sup> International Summer Workshop on Multimodal Interfaces). Metz Campus of Supélec, France, July 2012
- *Research in Multimodal Communication*. Joint Seminar by the Finnish Institute in Japan, JSPS, and the MOTIVE project of the Academy of Finland. Embassy of Finland, Tokyo, 2011
- *Looking at the Interaction Management with New Eyes - Conversational Synchrony and Cooperation using Eye Gaze*. Invited speaker, International Workshop on Spoken Dialogue Systems (IWSDS2011), Granada, Spain, 2011
- *Eye-tracking experiments and turn-taking in Spoken Dialogue Systems*. Invited talk at KDDI Research Laboratories, Saitama, Japan, February 2010
- *Digging Information of Nonverbal Communication*. Invited talk at Toshiba Research Center, Kanagawa, Japan, October 2008

- *Evaluation beyond Task: Dialogue Systems and Communicative Competence*. Invited speaker at The 1<sup>st</sup> Korea- Europe Workshop on Spoken Dialogue System Technology, POSTech, Pohang, Korea, January 2008
- Other invited talks, presentations, and guest lectures: about 25

#### **c. Expert evaluator for research evaluations**

- Horizon2020 Framework Programme FET PROACTIVE, 2014
- Horizon2020 Framework Programme ICT 2014
- Seventh Christian Benoît Award to promising young scientists in the domain of speech and face-to-face communication, 2013, 2015.
- KU Leuven Scientific Research Programme, 2013, 2015
- Swedish Higher Education Evaluation on Cognitive Science and Informatics (Högskoleverkets utvärdering om kognitionsvetenskap och informatik), 2011
- Flanders Organisation for Scientific Research (FWO), 2011
- Evaluation Panel of the Language Sciences and Literature Studies area, Portuguese Foundation for Science and Technology (FCT), 2009– 2010
- Netherlands Organisation for Scientific Research (NWO), 2006, 2003, 2015
- EU 6th Framework Programme IST-FET Open proposals, 2003 and 2005

#### **d. External advisor for university posts**

- University of Eastern Finland, Kungliga Tekniska Högskolan Stockholm, University of Helsinki, University of Stockholm, University of Gothenburg

#### **e. Conference and workshop organisation:**

- Chair of *The 7<sup>th</sup> International Workshop on Spoken Dialogue Systems (IWSDS)*, Saariselkä, Finland, 2016
- Area Chair of COLING on *Multimodal and Natural Language Interfaces and Dialog Systems*, Dublin, August 2014
- Co-chair of *The 2nd European and the 5th Nordic Symposium on Multimodal Communication*, University of Tartu, Estonia, August 2014 (with S.Tenjes)
- Chair of ICMI (*International Conference on Multimodal Interaction*), Sydney, 2013
- Co-Chair of Workshops on Eye-gaze in Interaction (GAZE-IN), ICMI-2013, 2014
- Special session co-chair Multimodal and Multicultural Communication at HCII (Human Computer Interaction International Conference), Crete 2014, Las Vegas 2013, Orlando 2011, San Diego 2009, Beijing 2007.
- Area Chair: ICMI (*International Conference on Multimodal Interaction*), 2012
- Organiser of D-META Challenge (Data sets for Multimodal Evaluation of Tasks and Annotations), ICMI-2012
- and several workshops in COLING, Interspeech, LREC, IJCAI, etc.

#### **f. Regular reviewer for authoritative scientific journals:**

*IEEE Transactions on Audio, Speech and Language Processing; Advanced Computational Intelligence & Intelligent Informatics; Cognitive Computation; Virittäjä; Speech Communication; Pervasive & Mobile Computing; Computer Speech & Language; Neurocomputing; IEEE Transactions for Robotics, User Modelling & User Adapted Interaction; Computational Intelligence*

#### **g. Regular Programme Committee member for the authoritative international conferences for more than 15 years:**

*SIGDial, HLT-NAACL, Interspeech, LREC, ICMI-MLMI, IWSDS, IUI, IJCAI, ACL, EMNLP, IE, COLING, ECIR; etc.*