



# Mateusz Dubiel

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INTERESTS	Human-Computer Interaction, Speech Synthesis, User-Centered Design	
CURRENT EMPLOYMENT	<b>Research Associate (Postdoctoral Researcher)</b> <i>University of Luxembourg, Esch-sur-Alzette, Luxembourg</i>	<b>Sep 2021- Present</b>
	<ul style="list-style-type: none"><li>• Conducting research in the field of human-centered conversational agents</li><li>• Designing and delivering ‘Designing Interactive Systems’ MSc course</li><li>• Delivering ‘User-Centered Design’ BSc course</li><li>• Providing teaching assistance for BSc ‘Web Development’ course</li><li>• Supervising Bachelor- and Master-level students</li></ul>	
RELEVANT EXPERIENCE	<b>Exchange Scholar</b> <i>Harvard University, Cambridge, MA, The USA</i>	<b>Sep 2022- Dec 2022</b>
	<ul style="list-style-type: none"><li>• Exploring role of speech as a support mechanism in sustaining focus</li><li>• Designing and deploying AI-supported decision making experiments</li></ul>	
	<b>Visiting Junior Research Fellow</b> <i>Tokyo Institute of Technology, Tokyo, Japan</i>	<b>Nov 2019- Jan 2020</b>
	<ul style="list-style-type: none"><li>• Designing and conducting interactive speech perception experiments</li><li>• Analysing impact of different voice interfaces on user’s cognitive workload</li></ul>	
	<b>Teaching Assistant: Big Data and Information Retrieval</b> <i>The University of Strathclyde, Glasgow, The UK</i>	<b>2017-2019</b>
	<ul style="list-style-type: none"><li>• Assisting students during technical tutorials</li><li>• Clarifying concepts covered in lectures</li><li>• Marking student assignments, providing performance feedback</li></ul>	
	<b>Language Expert</b> <i>CereProc Ltd. Text to Speech, Edinburgh, The UK</i>	<b>2015-2018</b>
	<ul style="list-style-type: none"><li>• Providing input and guidance during the creation of Polish synthetic voice</li><li>• Reporting to engineering and research teams</li></ul>	
UNIVERSITY EDUCATION	<b>University of Strathclyde, PhD Human-Computer Interaction</b> Dissertation: ‘ <a href="#">Exploring the Impact of Conversational Strategies on User Search Experience in Goal-Oriented Tasks in a Voice-Only Domain</a> ’	<b>2016-2021</b>
	<b>University of Edinburgh, MSc Speech &amp; Language Processing</b> Class: Merit Degree in Computer Science with emphasis on Natural Language Processing Dissertation: ‘Developing a Speech Recogniser for Massive Online Learning Courses’	<b>2014-2016</b>
	<b>University of Edinburgh, MSc Translation Studies</b> Class: Distinction Completed a wide range of courses in applied linguistics and audio-visual translation	<b>2009-2011</b>

Napier University, BA Cultural Studies with Languages 2008-2009  
Class: 2.1 (Advanced Entry)  
Interdisciplinary degree in linguistics, psychology, sociology, English and Spanish

## SELECTED PUBLICATIONS

M. Dubiel, L. A. Leiva, Bongard-Blanchy, K., and Sergeeva, A. 2024. *Hey Genie, You Got Me Thinking About My Menu Choices!* Impact of Proactive Feedback on User Perception and Reflection in Decision-making Tasks. ACM Transactions on Computer-Human Interaction. (Just Accepted)

M. Dubiel, A. Sergeeva and L. A. Leiva 2024. *Impact of Voice Fidelity on Decision Making: A Potential Dark Pattern?* ACM 29th International Conference on Intelligent User Interfaces (IUI), Greenville, SC, The US, March, 18-21, 2024.

M. Dubiel, Barghouti, Y., Kudryavtseva, K., and L. A. Leiva 2024. *On-device query intent prediction with lightweight LLMs to support ubiquitous conversations.* Nature Scientific Reports, 14(1), 12731.

M. Dubiel, S. Daronnat and L. A. Leiva 2022. *Conversational Agents Trust Calibration: A User-Centred Perspective to Design* . ACM 4th International Conference on Conversational User Interfaces (CUI), Glasgow, The UK, July, 26-28, 2022.

M. Dubiel, P. Oplustil-Gallegos, M. Halvey and S.King 2020. *Persuasive Synthetic Speech: Voice Perception and User Behaviour.* ACM 2nd International Conference on Conversational User Interfaces (CUI), Bilbao, Spain, July, 23-24, 2020. [Honourable Mention Award]

## TEACHING EXPERIENCE

6. Main Instructor and Organiser on 'Designing Interactive Systems' (MSc Course) University of Luxembourg (Winter 2022, Winter 2023, and Winter 2024)
5. Main Instructor on 'User-centred Design' (BSc Course) University of Luxembourg (Winter 2024)
4. Guest Lecturer on 'Introduction to Deep Learning' (MSc Course) University of Luxembourg (Summer 2023)
3. Teaching Assistant on 'Web-Development 1' (BSc Course) University of Luxembourg (Summer 2021)
2. Teaching Assistant on 'Introduction to Information Retrieval' (BSc Course) University of Strathclyde (Summer 2018)
1. Teaching Assistant on 'Big Data Analytics' (MSc Course) University of Strathclyde (Winter 2017 and Winter 2018)

## GRANTS & AWARDS

**The iSchools Doctoral Dissertation Award '22 (Runner Up):** \$1000 prize  
**JSPS Fellowship '21 and '22:** £30000 to conduct research on speech perception  
**Seal of Excellence:** for Marie Curie Sklodowska Fellowship Proposal (90.4/100)  
**Mac Robertson Scholarship:** £3745 to conduct a research visit at Tokyo Tech  
**Honourable Mention Award:** for Persuasive Synthetic Speech research paper

## SELECTED ACADEMIC SERVICE

- ACM Conversational User Interfaces Conference (CUI'24) – *General Chair*
- ACM CHI Conference on Human Factors in Computing Systems (CHI'23) – *Late Breaking Work (LBW) Associate Chair*
- ACM Conversational User Interfaces Conference (CUI'23) – *Registration Chair*
- ACM Conversational User Interfaces Conference (CUI'22) – *Short Papers Chair*