

10 – 12 April 2024, Wollongong, Australia

Program

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WOLLONGONG, AUSTRALIA

ALBECS2024 - Wednesday 10/04/2024

UOW campus, building 6, room 101

08.30-	Registration	
09.00	Morning Tea	building 6, room 105

Morning Session (hybrid - 09.00-12.30)

09.00-	Keynote 1: Designing experiments via bandit algorithms: modeling considerations		
10.00	for better outcomes (Nina Deliu)		
10.00-	Break building 6, room 105		
10.15			
	Integrating Digital Calendars with Large Language Models for Stress		
	Management Interventions		
	Pranav Rao, Sarah Yi Xu, Ananya Bhattacharjee, Yuchen Zeng, Alex Mariakakis and		
	Joseph Jay Williams		
10.15-	Expert Insights on Conversational AI Systems as an Information Intermediary		
12.30	for Patients and Healthcare Providers for Diabetes Lifestyle Change		
	Pei-Yu Chen, Sophie van Gent, M. Birna van Riemsdijk, Myrthe Tielman and Tjeerd		
	Schoonderwoerd		
	Explanation Patterns for The Sleep Adherence Mentor (SAM)		
	Amal Abdulrahman, Deborah Richards, Patrina Caldwell and Karen Waters		
12.30-	huiding C years 105		
13.30	Lunch building 6, room 105		

Afternoon Session (in-person only - 13.30-17.00)

	Advancing Ethical and Inclusive Algorithm Design: Collaborative Strategies for		
13.30-	Bias Detection and Mitigation		
15.15	Adeel Ahmed, Ali Husnain and Abdul Wahid Toor		
15.15	Algorithmic Support for Health Behavior Change: A Scoping Review		
	Diederik Heijbroek, Nele Albers and Willem-Paul Brinkman		
15.15-	Afterne en tee		
15.30	Afternoon teabuilding 6, room 105		
15.30-	Keynote 2: Human-empowered computer-mediated behavior change (Deborah		
16.30	Richards)		
16.30-	Workshop Reflection & closing remarks		
17.00			

17.15-	Conference welcome reception
18.15	building 11, room Thought Bubble
19.00	Optional dinner with workshop participants at restaurant TBD.





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DDEP2024 - Wednesday 10/04/2024

UOW campus, building 6, room 209

09.00- 09.30	RegistrationMorning Teabuilding 6, room 105		
09.30- 09.40	Workshop Opening Remarks		
09.40- 10.10	Invited Talk 1	Prof. Yuichi Washida Hitotsubasi U(Japan)	Data & Design Education in Management Studies
10.10- 10.40	Invited Talk 2	Prof. Minyuan Ma National Cheng Kung U (Taiwan)	From Design to Design Thinking: Enhancing Soft Skills in Education
10.40- 11.00	Break		building 6, room 105
		Dr. Nanami Furue Hitotsubashi U (Japan)	The Relationship Between Individual Traits and CPE for Universal Creativity Education Program Design
11.00-	Regular	Dr. Wenzhen Xu Hitotsubashi U (Japan)	Adapting to Audiences: Strategic Alignment of Television Commercials with Viewer Attitudes in a Data-Driven Era
12.00	Presentations	Mr. Chinenye Ndulue Dalhousie U(Canada) PPT2024	Investigating Gender-Specific Preferences for Persuasive Strategies in a Persuasive Game for Healthy Eating
		Mr.Victor Okpanachi U of Arizona(USA) PPT2024	Network Science Analysis of Reviews of Persuasive Game Elements (Online)
12.00- 13.00	Lunch		building 6, room 105
13.00- 15.00	Hands-on Session	Dr. Tseng-Ping Chiu National Cheng Kung U (Taiwan)	A Quick Start to Apply Design Thinking in Human-Computer Interactive System Development
15.00- 15.20	Break		building 6, room 105
15.20- 15.50	Invited Talk 3	Dr. Michael Björn Ericsson (Sweden)	4,320 Hours in the Metaverse: How the Metaverse Shapes Our View of Reality
15.50- 16.00	Workshop Closing Remarks		
16.00- 16.30	Networking		
17.15- 18.15	Conference we	lcome reception	building 11, room Thought Bubble





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BCSS2024 - Wednesday 10/04/2024

UOW campus, building 6, room 105

Session 1 (13.30-15.00), Chair: Sriram Iyengar

12.30- 13.30	Lunch building 6, room 105		
13:30- 13.35	Session Opening Remarks		
13.35- 13.55	Surfers' Perceptions of Safe-Surfing Mobile Application Elena Vlahu-Gjorgievska, Yahya Saad Y Alhatem, Noel Silvernius Galasau, Umaima Zahra Halim, Norah Makhdoor O Almehmadi and Khin Than Win		
13.55- 14.15	Health-related behavior changes using IoHT for pregnant and postpartum women: From the Be-TWINKLE study Lian Cao, Masato Taya, Yuko Sakamoto, Yuka Honda, Sayuri Hukuda, Yuichi Sato and Jin Nakazawa		
14.15- 14.35	If You Reply to Me, I Will Buy from You: A Social Influence Examination of Reciprocity on Twitter Rosanna Guadagno, Amanda Sardos and Amanda Kimbrough		
14.35- 14.55	Persuasive System Design Principles for Pandemic: A Workshop-Based Inquiry into Comprehensibility for Designers He Li and Federico Tajariol		
14.55- 15.00	Closing of Session		
15.00- 15.30	Afternoon teabuilding 6, room 105		

Session 2 (15.30-17.00), Chair: Elena Vlahu-Gjorgievska

15.30- 15.35	Session Opening Remarks		
15.35- 15.55	Cost to Develop Persuasion in Health Behavior Change Support Systems: A Weight Management App Scenario		
15.55- 16.15	Sharon Nabwire and Harri Oinas-Kukkonen Understanding the Effects of Watching a Nature Video on Informal Caregivers ' Emotional Well-Being Compared to Non-Caregivers' Emotional Well-being Beatriz Peres and Pedro Campos		
16.15- 16.35	Designing for Diversity: Dynamic Persuasive Strategies in mHealth App Development Aleise McGowan, Scott Sittig, David Bourrie, Ryan Benton, Sriram Iyengar and Aysu Dalogullari		
16.35- 16.50	General Discussion		
16.50- 16.55	BCSS Workshop Best paper award announcement		
16.55- 17.00	Closing of session		
17.15-	Conference welcome reception		
18.15	building 11, room Thought Bubble		





WOLLONGONG, AUSTRALIA

Main Conference - Thursday 11/04/2024

UOW campus, building 11, room Thought Bubble

08.30-	Registration
09.30	Morning Tea
	Chair: Khin Than Win
09.30- 10.00	Opening address: Senior Professor Michael Lerch
	Chair: Nilufar Baghaei
10.00- 11.00	Keynote address: <i>Professor Shlomo Berkovsky</i> "Personalised persuasion: the road travelled and future directions"

Session 1 (11.00-12.30)

Chair: Nilufar Baghaei

		Chair. Mitulai Dagnaei
11.00-		Exploring the influence of persuasive strategies on student motivation: self-
11.20	***	determination theory perspective (Fidelia Orji, Francisco J. Gutierrez and Julita
11.20	p.35	Vassileva)
11.20-		Exploring the Influence of Game Framing and Gamer Types on the
11.40	p.16	Effectiveness of Persuasive Games (Chinenye Ndulue and Rita Orji)
		Estimating Sense of Agency from Behavioral Logs of Smartphones and
11.40-		Wearable Devices: Toward a Just-in-Time Adaptive Intervention System
12.00		(Ryunosuke Togawa, Roberto Legaspi, Yasutaka Nishimura, Akihiro Miyamoto, Bo
	p.8	Yang, Eriko Sugisaki, Kazushi Ikeda, Nao Kobayashi and Yasushi Naruse)
10.00		Experiential Learning or direct training: Fostering ethical cybersecurity
12.00- 12.15		decision-making via serious games (Bakhtiar Sadeghi, Deborah Richards, Paul
12.15	p.27	Formosa and Michael Hitchens)
12.15-		Persuasive Technology through Behavior and Emotion with Pet-type Artifacts
12.30	p.13	(Rio Harada and Kaoru Sumi)

	p.67	Industry & Poster Presentations Immersive Storytelling: Exploring the Potential of Virtual Reality to Develop Empathetic Awareness Among Students (Rhodora Abadia)
12.30- 13.30	p.69	Development of a Prototype Al System for Real-time Emotion Prediction and Mental State Adjustment (Akihiro Sasaki, Eriko Sugisaki, Roberto Legaspi, Yasushi Naruse and Nao Kobayashi)
	p.71	Color Psychology-Based Persuasive Interaction Design for Health Behavior Change (Yugo Nakamura and Yutaka Arakawa)
	p.65	A serious game for promoting sustainable food choices (Peter Ruijten, Jaap Ham and Nienke de Jongh)
12.30- 13.30	Lunch	



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Session 2 (13.30-15.00)

Chair: Raian Ali

***	Persuasive System Design Features for Mobile Mental Health Applications
p.45	(Yonas Deressa Guracho, Susan J. Thomas, Nawaf Almutairi and Khin Than Win)
	Design and Development of mHealth App: Eye Donor Aust (Waraporn
	Chumkasian, Khin Than Win, Elena Vlahu-Gjorgievska, Mark Freeman, Ritin
p.54	Fernandez, Heidi Green and Con Petsoglou)
	Exploring Self-competition as a Viable Motivation to Promote Healthy
p.31	Behavior (Henna Hyypiö, Sarthak Giri and Harri Oinas-Kukkonen)
	Evaluating the Persuasive Potential from Software Design Specification
p.30	(Eunice Eno Yaa Frimponmaa Agyei, Markku Kekkonen and Harri Oinas-Kukkonen)
	DROP DASH: A Persuasive Mobile Game to Promote Healthy Hydration
	Choices Using Machine Learning (Sussan Anukem, Chinenye Ndulue and Rita
p.20	Orji)
Afternoon tea	
	p.45 p.54 p.31 p.30 p.20

Session 3 (15.30-17.10)

Chair: Mark Freeman

15.30- 15.50		An Embodied Conversational Agent to Support Wellbeing After Injury:
	***	Insights from a Stakeholder Inclusive Design Approach (Katherine Hopman
	p.12	and Deborah Richards)
15.50- 16.10		Counterfactual Reasoning Using Predicted Latent Personality Dimensions for
	***	Optimizing Persuasion Outcome (Donghuo Zeng, Roberto Legaspi, Yuewen Sun,
	p.26	Xinshuai Dong, Kazushi Ikeda, Peter Spirtes and Kun Zhang)
16.10- 16.30		Exploring the Effect of Using a Single Versus Multiple Behaviour Change
		Strategies on Motivation to Use Gratitude App and Possible Gender
	p.28	Differences (Felwah Alqahtani, Chinenye Ndulue and Rita Orji)
16.30- 16.50		Negotiating Creativity amidst Interactive Marketing: Understanding
		Persuasion Tactics of Virtual Influencer Marketing from a Developer's
	p.21	Perspective (Bhakti Mehta, Manisha Pathak Shelat and Arpan Yagnik)
16.50-		A Systematic Review of Persuasive Technology in Defence and National
17.10	p.24	Security: Extended Abstract (Steven Davis, Mirela Stjelja and Dragana Calic)

18.30- Conference dinner21.30 @ Harbourfront Seafood Restaurant







WOLLONGONG, AUSTRALIA

Main Conference - Friday 12/04/2024

UOW campus, building 11, room Thought Bubble

08.30-	Registration
09.00	Morning Tea

Session 4 (09.00-10.30)

Chair: Kiemute Oyibo

		Onali: Riemate Oyibo
09.00-	***	The Effect of Dark Patterns and User Knowledge on User Experience
09.20	p.36	and Decision-Making (Tasneem Naheyan and Kiemute Oyibo)
09.20- 09.40		SmileApp: The design and evaluation of an mHealth app for Stress
	***	Reduction through Artificial Intelligence and Persuasive Technology
	p.22	(Joseph Orji, Gerry Chan, Chinenye Ndulue and Rita Orji)
09.40- 10.00		Harnessing Large Language Models for Automatic Evaluation of Mobile
		Health Applications based on Persuasive System Design Principles and
	p.18	Mobile Application Rating Scale (Yasin Afşin and Tuğba Taşkaya Temizel)
10.00- 10.15		Persuasive design principles for a medication adherence app for
		chronic arthritis conditions (Saleh Altuwayrib, Mark Freeman, Nawaf
	p.52	Almutairi and Khin Than Win)
10.15-		How the role of a persuasive robot impacts one's attitude towards it
10.30	p.11	(Peter Ruijten, Jin Smeding and Jaap Ham)
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	Chair: Raian Ali
	Keynote address: Associate Professor Terry Fleming
10.30-	"Opportunities and Challenges in Persuasive Technology for Mental
11.30	Health"

11.30- 13.00	p.67	Industry & Poster Presentations Immersive Storytelling: Exploring the Potential of Virtual Reality to Develop Empathetic Awareness Among Students (Rhodora Abadia)
	p.69	Development of a Prototype Al System for Real-time Emotion Prediction and Mental State Adjustment (Akihiro Sasaki, Eriko Sugisaki, Roberto Legaspi, Yasushi Naruse and Nao Kobayashi)
	p.71	Color Psychology-Based Persuasive Interaction Design for Health Behavior Change (Yugo Nakamura and Yutaka Arakawa)
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12.00- 13.00	Lunch	



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Session 5 (13.00-14.40)

Chair: Jaap Ham How would I be perceived if I challenge individuals sharing 13.00misinformation? Exploring misperceptions in the UK and Arab samples 13.20 and the potential for the social norms approach (Selin Gurgun, Muaadh p.37 Noman, Emily Arden-Close, Keith Phalp and Raian Ali) Collaboratively Setting Daily Step Goals with a Virtual Coach: Using 13.20-Reinforcement Learning to Personalize Initial Proposals (Martin Dierikx, 13.40 Nele Albers, Bouke L. Scheltinga and Willem-Paul Brinkman) p.7 **Exploring Persuasive Tools to Enhance Digital Resilience to** 13.40-Misinformation – Extended Abstract (Lana Edwards, Mirela Stjelja, 14.00 Dragana Calic and Steven Davis) p.25 Persuasive AR Technology for Information Producers (Yonit Rusho, Ganit 14.00-14.20 p.55 Richter and Daphne Raban) When certain persuasive techniques fail to prompt users to challenge 14.20misinformation: Lessons learnt (Selin Gurgun, Emily Arden-Close, Keith 14.40 Phalp and Raian Ali) p.63 14.40-Afternoon tea 15.10

Session 6 (15.10-16.40)

Chair: Elena Vlahu-Gjorgievska

Chain Eterna Viana Ojorgioveka		
15.10- 15.25	p.19	Predicting Ethical Orientation based on Personality for Tailored Cyberethics Training (Muhammad Hassan Ali Bajwa, Deborah Richards and Paul Formosa)
	p.15	,
15.25- 15.40		Persuasive Systems Features in Digital Health Interventions for
		Diabetes Management: A Scoping Review (Renata de Oliveira and Harri
	p.4	Oinas-Kukkonen)
15.40- 16.00		A novel mobile app prototype for personalised guidance on food
		choices leveraging persuasive technology (Vivienne Guan and Khin Than
	p.23	Win)
16.00- 16.20		Co-Designing Persuasive Virtual Reality Supermarkets for Practicing
		Activities of Daily Living (Ethan McDonnell, Riley Mosca, Clare Burns,
	p.51	Trevor Russell and Nilufar Baghaei)
16.20- 16.40		Comparing the Impact of Social Proof and Freedom of Choice on
		Attitudes toward AI (Sameha Alshakhsi, Areej Babiker, Dena Al-Thani,
	p.62	Christian Montag and Raian Ali)

Closing ceremony

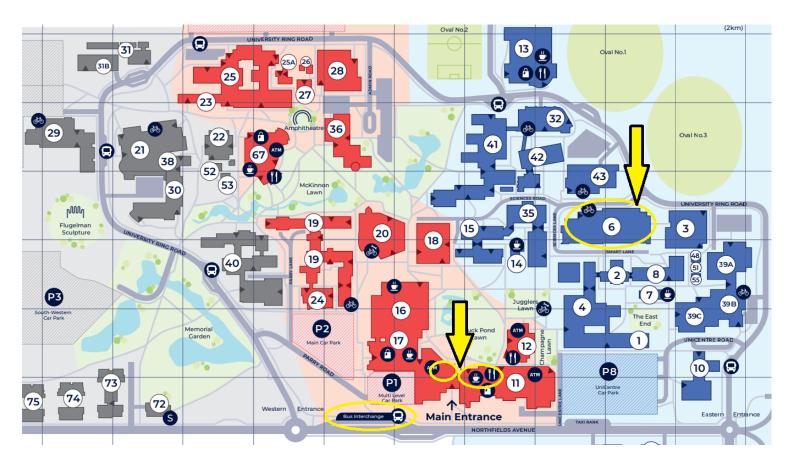






PERSUASIVE TECHNOLOGY 2024 WOLLONGONG, AUSTRALIA

UOW Campus map





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