

Atsushi Omata

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Education

Sep. 2022 Apr. 2017	Shizuoka University Graduate School of Science and Technology Ph.D. in Informatics	Shizuoka, Japan
Mar. 2017 Apr. 2015	Shizuoka University Graduate School of Integrated Science and Technology Master in Informatics	Shizuoka, Japan
Mar. 2015 Apr. 2011	Shizuoka University Bachelor of Informatics	Shizuoka, Japan

Experience

Present Nov 2023	Hamamatsu University School of Medicine Assistant Professor [🌐] > (Nx-CEC) Next Generation Center for Medicine, Engineering, and Informatics	Shizuoka, Japan
Present Apr 2021	Shizuoka University Academic Researcher > Ishikawa Team, JST CREST "Computational and cognitive neuroscientific approaches for understanding the tender care" Project(2023/03) > JST Sakigake "Personalized goal generation for maximizing individual Well-being" Project	Shizuoka, Japan
May 2019 May 2019	University of Stirling Fellowship for early career researcher [🌐] > UK-Japan Network project. > The work of the Network aims to address an area of major concern for both countries – that of increasing population of people living with dementia. Environmental design has been shown to be an effective means of improving people's experiences of living with the condition, but there is a need for better evidence which takes account of cross-national and cross-cultural differences and similarities, and a need for the experience in each country to provide lesson for the other. The Network seeks to work internationally to generate an agenda for further research into these areas.	Scotland, UK
Mar 2021 Feb 2019	Shizuoka University Academic Researcher > NEDO SIP Second Phase, "A R&D and social implementation of AI for self-reliance support by multimodal human-interaction technology with the emphasis on dementia people and their family's view" Project	Shizuoka, Japan
Jan 2019 Jun 2017	Shizuoka University Academic Researcher	Shizuoka, Japan
Feb 2018 Jun 2017	Shizuoka University Research Assistant	Shizuoka, Japan

Publications

IJ=International Journal, IC=International Conference, DJ=Domestic Journal, DC=Domestic Conference in Japan

- [IC.3] **A Development of a Multimodal Behavior Analysis System for Evaluating Dementia Care Interaction.** [\[🌐\]](#)
Shogo Ishikawa, Masashi Onozuka, [Atsushi Omata](#), Ayumi Nakanome, Sota Kayama, Shinya Kiriya
Companion: Companion Publication of the 2021 International Conference on Multimodal Interaction 176 - 182 [ICMI '21]
- [IC.2] **Visualization of Environmental Adjustment Skills Focusing on Indoor Ventilation Behavior of Care Facility Staffs.** [\[🌐\]](#)
Shinya Kiriya, Junichi Yogo, [Atsushi Omata](#), Shogo Ishikawa
10th IEEE Global Conference on Consumer Electronics(GCCE) 150 - 152 [GCCE '21]
- [IC.1] **Collaborative Development of Outing Assistants for People with Dementia: a Case Study on a Co-design Approach.** [\[🌐\]](#)
[Atsushi Omata](#), Shogo Ishikawa, Mia Kobayashi, Shinya Kiriya
5th Asian CHI Symposium(AsianCHI@CHI) 21 - 24 [AsianCHI '21]

- [DC.3] **マルチモーダルケアインタラクションにおけるコーチング生成のための知識表現と活用** [🔗]
 小俣敦士, 石川翔吾, 中野目あゆみ, 香山壮太, 菅家穰, 宗形初枝, 桐山伸也
 37th 人工知能学会全国大会 [JSAI '23]
- [DJ.1] **組織全体の認知症ケアスキル向上のためのビデオコーチング環境の実証実験と介入指導インタラクションの分析** [🔗]
 小俣敦士, 石川翔吾, 中野目あゆみ, 香山壮太, 宗形初枝, 坂根裕, 桐山伸也
 情報処理学会論文誌ジャーナル 63(2) 491 - 502 [情報処理 '22]
- [DC.2] **認知症ケアの経験学習を促進させる実践動画を用いたケアスキル高度化フレームワーク** [🔗]
 小俣敦士, 石川翔吾, 中野目あゆみ, 香山壮太, 菅家穰, 宗形初枝, 桐山伸也
 36th 人工知能学会全国大会 [JSAI '22]
- [DC.1] **多重思考モデルに基づく認知症ケアの内省を高度化させるマルチモーダル映像学習環境** [🔗]
 小俣敦士, 石川翔吾, 中野目あゆみ, 香山壮太, 宗形初枝, 原寿夫, 桐山伸也, 桐山伸也, 竹林洋一, 竹林洋一
 34th 人工知能学会全国大会 [JSAI '20]

Talks

“ケアの見える化に取り組んだ郡山市医療介護病院の歩み”

- › 日本ユマニチュード学会第4回総会 [🔗] September 2022 (Kyoto, Japan)

“ケアインタラクションスキル習得をアシストする映像コーチングシステムの開発実践評価”

- › みんなの認知症ケア情報学会 第2回インタラクティブ研究会 [🔗] February 2022 (Online, Japan)

“認知症ケア高度化のための構造化映像を用いた協調的コーチング環境”

- › 日本ロボット学会第37回学術講演会 1N3(OS10): 優しい介護「ユマニチュード」とロボティクス [🔗] September 2019 (Tokyo, Japan)

“DARPA Machine Common Sense プログラムの紹介とケアの人工知能学”

- › 人工知能学会第2種研究会「コモンセンス知識と情動研究会」第12回研究会 [🔗] March 2019 (Shizuoka, Japan)

“Evidence-based 認知症ケアに基づく映像を用いた協調学習環境の構築と評価”

- › 郡山医師会・郡山市共催 市民公開講座 [🔗] June 2018 (Fukushima, Japan)

Honours and Awards

Specially Selected Paper, 2022 [🔗] Journal of Information Processing(Vol.63 No.2), Japan.

Special Theme Session Award (Social Interaction), 2018 [🔗] Human Communication Group Symposium 2018 (HCG2018), Japan.