

# Fábio Mikio Obuchi

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## EDUCATION

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| 2016 - Present         | Master of Media and Governance                                  |
| <i>Kanagawa, Japan</i> | Graduate School of Media and Governance, Keio University        |
| 2012 - 2016            | Bachelor of Arts in Environment and Information Studies         |
| <i>Kanagawa, Japan</i> | Faculty of Environment and Information Studies, Keio University |

## RESEARCH INTERESTS

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- Distributed, mobile and ubiquitous computing
- Human-computer interaction
- Attention-aware computing
- Machine learning

## POSITIONS HELD

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| 09. 2016 - Present  | <b>Research Assistant</b><br>Global Environmental System Leader (GESL) Program<br>("Program for Leading Graduate Schools" supported by Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan) |
| 01. 2018 - 03. 2018 | <b>Visiting Scholar</b><br>Dartmouth Networking and Ubiquitous Systems Laboratory (DartNets)<br>Department of Computer Science, Dartmouth College  |

## DOMESTIC JOURNAL PAPERS (IN JAPAN)

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1. **M. Obuchi**, Y. Nishiyama, T. Okoshi, T. Yonezawa, and J. Nakazawa, "MyFactor: Individual Characteristic Adaptive Estimation of Factor Information Contributing to Human Internal State," *Journal of Information Processing Society of Japan*, vol. 58, no. 10, pp. 1674–1687, 2017.
2. J. Nakazawa, W. Sasaki, **M. Obuchi**, K. Egashira, Y. Nishiyama, T. Okoshi, T. Yonezawa, and H. Tokuda, "A Platform for Mutual Watch-Over among the Elderly Using PAN and Gamification", *The IEICE Transactions (Japanese Edition)*, (to appear)

## REFEREED INTERNATIONAL CONFERENCE/WORKSHOP PAPERS

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1. W. Sasaki, **M. Obuchi**, K. Egashira, N. Isokawa, Y. Furukawa, Y. Nishiyama, T. Okoshi, J. Nakazawa, "Extensive Evaluation of Emotional Contagion on Smiling Selfies over Social Network," in *Proceedings of the 2017 ACM International Conference on Mobile Systems, Applications, and Services (MobiSys 2017)*. New York, NY, USA, 180-180.

2. **M. Obuchi**, T. Okoshi, T. Yonezawa, J. Nakazawa, and H. Tokuda, “Interruptibility Map: Geographical Analysis of Users’ interruptibility in Smart Cities,” in *Proceedings of IEEE International Conference on Pervasive Computing and Communications 2017 (PerCom ’17) (EmotionAware 2017 Workshop)*, 2017, pp. 533-538.
3. **M. Obuchi**, W. Sasaki, T. Okoshi, J. Nakazawa, and H. Tokuda, “Investigating interruptibility at activity breakpoints using smartphone activity recognition API,” in *Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing Adjunct - UbiComp ’16*, 2016, pp. 1602-1607.

## NON-REFEREED DOMESTIC PAPERS (IN JAPAN)

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1. S. Katayama, N. Isokawa, **M. Obuchi**, Y. Nishiyama, T. Okoshi, Y. Takuro, J. Nakazawa, K. Takashio, and H. Tokuda, “SpoTrip: “Hidden Spot” Informing System to Promote Tourist Repeater,” *IPSJ SIG Technical Report*, vol. 2017-UBI53, no. 12, pp. 1-8, Mar. 2017.
2. K. Suigen, **M. Obuchi**, Y. Nishiyama, T. Okoshi, Y. Takuro, J. Nakazawa, K. Takashio, and H. Tokuda, “MyTime: Automated Application Usage Logging for Promoting Time Management,” *IPSJ SIG Technical Report*, vol. 2016-UBI-4, no. 36, pp. 1-6, Feb. 2016.
3. **M. Obuchi**, Y. Furukawa, Y. Nishiyama, T. Okoshi, Y. Takuro, J. Nakazawa, K. Takashio, and H. Tokuda, “MyFactor: Factor Analysis of User’s Logical Status From Lifelog Data,” *IPSJ SIG Technical Report*, vol. 2016-UBI-4, no. 10, pp. 1-6, Feb. 2016.

## TEACHING EXPERIENCES

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1. **Teaching Assistant:** “*Fundamentals of Information Technology 2*,” Faculty of Environment and Information Studies, Keio University, 2016 Fall Semester (Tadashi Okoshi)
2. **Teaching Assistant:** “*Fundamentals of Information Technology 1*,” Faculty of Environment and Information Studies, Keio University, 2016 Spring Semester (Tadashi Okoshi)
3. **Teaching Assistant:** “*Fundamentals of Information Technology 2*,” Faculty of Environment and Information Studies, Keio University, 2015 Fall Semester (Masaki Ogawa)

## SCHOLARSHIPS

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1. **Research Assistant:** Research Assistant in *Global Environmental System Leaders (GESL)* Program, Graduate School of Media and Governance, Keio University (2016-2018).

## DEVELOPMENT SKILLS

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**Programming Languages:** Python, PHP, Swift, HTML/CSS, JavaScript, Java

**Platform:** Android, iOS, MacOSX, Ubuntu, Linux

**Database:** SQL Databases including MySQL, MongoDB

## LANGUAGE SKILLS

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- Japanese
- English: TOEFL iBT 100 (Aug, 2017)
- Portuguese