

Briane Paul V. Samson

Graduate School for Systems Information Science
Future University Hakodate
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ACADEMIC BACKGROUND

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| 2017 – present | Doctor of Philosophy in Systems Information Science
Future University Hakodate, Japan |
| 2009 – 2013 | Master of Science in Computer Science
De La Salle University, Philippines |
| 2006 – 2009 | Bachelor of Science in Computer Science with specialization in Software Technology
De La Salle University, Philippines
Magna Cum Laude |

AWARDS AND HONORS

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| 2017 | Best Paper Honorable Mention
Top 4, Philippine Computing Science Congress 2017 |
| 2016 | Best Paper – Sustainability, Environment, and Energy
DLSU Research Congress 2016 |
| 2013 | Best Research Optimization Application
Smart-IRRI Bigas2Hack Hackathon |

PEER-REVIEWED PUBLICATIONS

- Samson, B.P.,** Velez, G.A.T., Nobleza, J.R., Sanchez, D., & Milan, J.T. (2018). Optimizing the Efficiency, Vulnerability and Robustness of Road-based Para-transit Networks using Genetic Algorithm. *Lecture Notes in Computer Science*, 2018.
- Samson, B.P.,** & Sumi, Y. (2018). Understanding the Effects of Drivers' Perceived Quality of Information and Suggestions on the Use of Social Navigation Applications. In *Proceedings of the Asian CHI Symposium: Emerging HCI Research Collection*, 2018.
- Samson, B.P.,** & Sumi, Y. (2018). Taxi Dash: Serendipitous Discovery of Taxi Carpool Riders. In *Proceedings of the 9th EAI International Conference on Mobile Computing, Applications and Services*, 2018.
- Samson, B.P.,** Aldanese IV, C., Chan, D.M., San Pascual, J.J., & Sido, M.V.A. (2017). Crowd Dynamics and Control in High-Volume Metro Rail Stations. *Procedia Computer Science*, Volume 108, 2017, Pages 195-204.

- Samson, B.P.**, Marcaida, C.M., Gervasio, E.A., Militar, R., & Ibanez, J. (2017). Analyzing Congestion Dynamics in Mass Rapid Transit using Agent-Based Modeling. In *Proceedings of the 17th Philippine Computing Science Congress*.
- Marcos, N., Largoza, G., **Samson, B.P.**, Base, J.J., Calulo, L.P., Co, B. & Lo C. (2016). A Web-based CBMS Dataset Visualization and Simulation Tool. In *Proceedings of the DLSU Research Congress 2016*.
- Constantino, P., Gonzales, E., Lazaro, L., Serrano, C. & **Samson, B.P.** (2015). Plant Height Measurement and Tiller Segmentation of Rice Crops Using Image Processing. In *Proceedings of the 21st International Conference on Mechatronics and Machine Vision in Practice*.
- Buzon, R., Dumlao, L., Mangubat, M., Villarosa, J. & **Samson, B.P.** (2015). Towards an Automated, High-Throughput Identification of the Greenness and Biomass of Rice Crops. In *Proceedings of the 21st International Conference on Mechatronics and Machine Vision in Practice*.
- Collantes, M., Hipe, M., Sorilla, J., Tolentino, L. & **Samson, B.P.** (2015). Simpatico: A Text Simplification System for Senate and House Bills. In *Proceedings of the 11th National Natural Language Processing Research Symposium*.
- Constantino, P., Gonzales, E., Lazaro, L., Serrano, C. & **Samson, B.P.** (2015). Plant Height Measurement and Tiller Segmentation of Rice Crops Using Image Processing. In *Proceedings of the DLSU Research Congress 2015*.
- Buzon, R., Dumlao, L., Mangubat, M., Villarosa, J. & **Samson, B.P.** (2015). Luntian: An Automated, High-throughput Phenotyping System for the Greenness and Biomass of C4 Rice. In *Proceedings of the DLSU Research Congress 2015*.
- Samson, B. P.** & Ong, E. (2014). Extracting Conceptual Relations from Children's Stories. In: Kim Y.S., Kang B.H., Richards D. (eds) *Knowledge Management and Acquisition for Smart Systems and Services*. LNCS 8863 (195-208). Switzerland: Springer International Publishing.
- Marcos, N., Largoza, G., **Samson, B.P.**, Base, J.J., Calulo, L.P., Co, B. & Lo C. (2014). Design Considerations for a Visualization and Simulation Tool for CBMS Data. In *Proceedings of the DLSU Research Congress 2014*.
- Chua, N., Lai, F., Mondejar, J., **Samson, B.P.**, & Tan, K. (2009). Generalized Distributed Garbage Collection. In *Proceedings of the 10th Philippine Computing Science Congress*.
- Samson, B.P.**, Alcera, B., Go, E., Gonzales, C. & Lim, N. (2009). An Automated Thematic Role Labeler and Generalizer for Filipino Verb Arguments. In *Proceedings of the 23rd Pacific Asia Conference on Language, Information and Computation* (501-510). Hong Kong: City University of Hong Kong Press.

EMPLOYMENT EXPERIENCE

- May 2013 – Present **Assistant Professor, College of Computer Studies, De La Salle University**
Teaches software design patterns, human-computer interaction, and software engineering. Conducts research on understanding and modeling complex systems through agent-based modeling, data science, and network

science. Focuses on cities, mobility, social networks, and disaster management.

- Aug 2017 – Present **Group Head, Civic Services Group, Center for Complexity and Emerging Technologies, De La Salle University**
Manages the civic computing projects.
- Jan 2014 – Aug 2017 **Head, Center for Complexity and Emerging Technologies, De La Salle University**
Manages the daily operations, membership, research groups and research projects.
- Dec 2013 – Aug 2017 **Practicum Coordinator, Software Technology Department, De La Salle University**
Orients the students and manages the implementation and logistics of the department's practicum program. Liaises with the industry partners during deployment.
- Dec 2012 – May 2013 **Research Assistant, De La Salle University**
Implemented a mobile application to aid the data gathering regularly conducted by Angelo King Institute – Community Based Monitoring System.
- Oct 2010 – Sept 2012 **Associate Consultant, Microsoft Solutions, Dimension Data Asia Pacific Pte. Ltd.**
Designed and deployed Microsoft technology solutions across the Asia Pacific region.
- Sept 2009 – Oct 2010 **Researcher & Project Implementor, Datacraft Asia Pte. Ltd.**
Worked as researcher and developer. Simulated an Active Directory infrastructure and implemented Microsoft technologies. Did Tier-2 and Tier-3 technical support to Datacraft's Microsoft consulting community.

ACADEMIC SERVICES

- 2018 **Program Committee**
14th National Natural Language Processing Research Symposium
- 2017 **Program Committee**
13th National Natural Language Processing Research Symposium
- 2016 **Program Committee**
12th National Natural Language Processing Research Symposium
- 2015 **Program Committee**
11th National Natural Language Processing Research Symposium

CONFERENCES

- June 2018 **International Conference on Computational Science 2018**

Wuxi, China

- April 2018 **ACM CHI Conference on Human Factors in Computing Systems 2018**
Palais des Congrès de Montréal, Montreal, Canada
- April 2018 **Asian CHI Symposium 2018**
Palais des Congrès de Montréal, Montreal, Canada
- March 2018 **Interaction 2018**
National Institute for Informatics, Tokyo, Japan
- February 2018 **MobiCASE 2018: 19th EAI International Conference on Mobile Computing, Applications and Services**
Ritsumeikan University Osaka Ibaraki Campus, Japan
- September 2017 **Workshop on Computation: Theory and Practice 2017**
Osaka University Nakanoshima Center, Japan
- June 2017 **International Conference on Computational Science 2017**
ETH Zurich, Switzerland
- March 2017 **17th Philippine Computing Science Congress**
University of San Carlos, Cebu City, Philippines
- March 2017 **NTU Winter School 2017 on Complexity Science**
Nanyang Technological University, Singapore
- March 2016 **NTU-Warwick Winter School 2016 on Complexity Science**
Nanyang Technological University, Singapore
- July 2015 **21st International Conference on Mechatronics and Machine Vision in Practice**
De La Salle University
- April 2015 **11TH National Natural Language Research Symposium**
National University
- March 2015 **DLSU Research Congress 2015**
De La Salle University
- December 2014 **Pacific Rim Knowledge Acquisition Workshop 2014**
Gold Coast, Australia
- March 2014 **DLSU Research Congress 2014**
De La Salle University
- November 2013 **Form, Function and Class Conference 2013**
De La Salle – College of St. Benilde

June 2012	Echelon 2012 National University of Singapore, Singapore
December 2009	23rd Pacific Asia Conference on Language, Information and Computation City University of Hong Kong, Hong Kong
September 2009	6TH National Natural Language Research Symposium De La Salle University