

Briane Paul V. Samson

Graduate School of Systems Information Science
Future University Hakodate
116-2 Kamedanakano-cho Hakodate, Hokkaido
Japan 041-8655

briane.samson@dlsu.edu.ph
b-samson@sumilab.org
<http://brianesamson.com>
+81 80-2865-2862

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 (<i>Magna Cum Laude</i>) |

AWARDS AND HONORS

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| 2017 | Japanese Government Scholarship (PhD)
Future University Hakodate, Sep 2017 – Sep 2020 |
| 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

- P16 **Samson, B.P.V.** & Sumi, Y. (2019). Exploring Factors that Influence Connected Drivers to (Not) Use or Follow Recommended Routes. In CHI Conference on Human Factors in Computing Systems Proceedings (CHI 2019), May 4–9, 2019, Glasgow, Scotland UK. ACM, New York, NY, USA, 14 pages.
- P15 **Samson, B.P.V.**, 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. In: Shi Y. et al. (eds) Computational Science – ICCS 2018. ICCS 2018. Lecture Notes in Computer Science, vol 10860. Springer, Cham.
- P14 Constantino K.P., Gonzales E.J., Lazaro L.M., Serrano E.C., **Samson B.P.V.** (2018) Towards an Automated Plant Height Measurement and Tiller Segmentation of Rice

Crops using Image Processing. In: Billingsley J., Brett P. (eds) *Mechatronics and Machine Vision in Practice 3*. Springer, Cham.

- P13 Buzon R.J.C., Dumlao L.T.D., Mangubat M.A.C., Villarosa J.R.D., & **Samson B.P.V.** (2018) Towards an Automated, High-Throughput Identification of the Greenness and Biomass of Rice Crops. In: Billingsley J., Brett P. (eds) *Mechatronics and Machine Vision in Practice 3*. Springer, Cham.
- P12 Fernandez, R.A., Deja, J.A., & **Samson, B.P.V.** (2018). Automating Heuristic Evaluation of Websites Using Convolutional Neural Networks. In *Asian HCI Symposium'18 Proceedings of the Asian HCI Symposium'18 on Emerging Research Collection*, 2018.
- P11 **Samson, B.P.V.**, & Sumi, Y. (2018). Taxi Dash: Serendipitous Discovery of Taxi Carpool Riders. In: Murao K., Ohmura R., Inoue S., Gotoh Y. (eds) *Mobile Computing, Applications, and Services. MobiCASE 2018. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering*, vol 240. Springer, Cham
- P10 **Samson, B.P.V.**, 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.
- P9 **Samson, B.P.V.**, 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*.
- P8 Marcos, N., Largoza, G., **Samson, B.P.V.**, 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*.
- P7 Collantes, M., Hipe, M., Sorilla, J., Tolentino, L. & **Samson, B.P.V.** (2015). Simpatico: A Text Simplification System for Senate and House Bills. In *Proceedings of the 11th National Natural Language Processing Research Symposium*.
- P6 Constantino, P., Gonzales, E., Lazaro, L., Serrano, C. & **Samson, B.P.V.** (2015). Plant Height Measurement and Tiller Segmentation of Rice Crops Using Image Processing. In *Proceedings of the DLSU Research Congress 2015*.
- P5 Buzon, R., Dumlao, L., Mangubat, M., Villarosa, J. & **Samson, B.P.V.** (2015). Luntian: An Automated, High-throughput Phenotyping System for the Greenness and Biomass of C4 Rice. In *Proceedings of the DLSU Research Congress 2015*.
- P4 **Samson, B. P.V.** & 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.

- P3 Marcos, N., Largoza, G., **Samson, B.P.V.**, 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*.
- P2 Chua, N., Lai, F., Mondejar, J., **Samson, B.P.V.**, & Tan, K. (2009). Generalized Distributed Garbage Collection. In *Proceedings of the 10th Philippine Computing Science Congress*.
- P1 **Samson, B.P.V.**, 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.

PROFESSIONAL EXPERIENCE

- May 2013 – Present **Assistant Professor, College of Computer Studies, De La Salle University**
Teaches Software Design Patterns, Human-Computer Interaction, Software Engineering, and Complex Systems. Conducts research on understanding and modeling complex adaptive systems through agent-based modeling, data science, and network science. Focuses on cities, mobility, social networks, and disaster management. Also does research on human-computer interaction in vehicles and navigation.
- 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.

ORGANIZATIONS & COMMUNITIES

- March 2018 – Present **Student Member**, Association for Computing Machinery
- March 2018 – Present **Member**, ACM Special Interest Group on Computer-Human Interaction
- March 2018 – Present **Member**, ACM Special Interest Group on Knowledge Discovery and Data Mining
- Dec 2017 – Present **Member**, Interaction Design Foundation
- May 2017 – Present **Co-Founder**, Databeers Manila
<http://databeersmnl.tumblr.com/>
We founded a community in Manila that evangelizes the benefits of data science to the masses in a casual atmosphere. We invite data scientists to share their recent works in a pecha kucha format. It is part of an international network of Databeers communities that are mostly in Europe.

ACADEMIC SERVICES

- 2019 - 2020 **Assistant to the Papers Chair**
38th ACM CHI Conference on Human Factors in Computing Systems (2020)
Hawaii, USA
- 2018 - 2019 **Assistant to the Papers Chair**
37th ACM CHI Conference on Human Factors in Computing Systems (2019)
Glasgow, Scotland
- 2015 - 2018 **Program Committee, Reviewer**
11th to 14th National Natural Language Processing Research Symposium
Philippines

SCHOOLS & 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