

J. Dinal Herath

CONTACT INFORMATION	Full Name: Jerome Dinal Herath Muthukumaranaage email: jherath1 AT binghamton DOT edu dinalherath.com
EDUCATION	State University of New York - Binghamton , NY, USA Ph.D., Computer Science, August 2017 - Present (GPA: 3.93/4.00) University of Colombo , Sri Lanka B.S., Computational Physics (Major), July 2017 (GPA: 3.66/4.00) Chartered Institute of Marketing(CIM) , United Kingdom Professional Postgraduate Diploma in Marketing, May 2015 St. Joseph's College , Colombo, Sri Lanka Primary education, Ordinary Levels(O/Ls), Advance Levels(A/Ls), 2011
PUBLICATIONS	<ol style="list-style-type: none">1. Adita Kulkarni*, J. Dinal Herath*, Anand Seetharam, Arti Ramesh (* Joint First Authors). "DeepChannel: Wireless Channel Quality Prediction using Deep Learning". [Submitted & Under Review]2. Dinuni Fernando, Siddharth Kulshrestha, Nitin Mahadik, Yanzhe Ma, J. Dinal Herath, Changxin Bai, Ping Yang, Guanhua Yan, Shiyong Lu. "SciBlock: A Blockchain-Based Tamper-Proof Non-Repudiable Storage for Scientific Workflow Provenance". [Submitted & Under Review]3. J. Dinal Herath, Anand Seetharam, Arti Ramesh. "A Deep Learning Model for Wireless Channel Quality Prediction". In: IEEE International Conference on Communications (ICC-2019).[Accepted]4. J. Dinal Herath and Anand Seetharam. "A Markovian Model for Analyzing Opportunistic Request Routing in Wireless Cache Networks". In: IEEE Transactions in Vehicular Technology (TVT-2018).5. J. Dinal Herath and Anand Seetharam. "Analyzing Opportunistic Request Routing in Wireless Cache Networks". In: IEEE International Conference on Communications (ICC-2018).6. J. Dinal Herath and K. Jayananda. "Simulation of Symmetric and Asymmetric movement gaits for Lateral Undulation in Serial Snake Robots". In: 2017 International Conference on Computational Modeling & Simulation (ICCMS-2017).7. J. Dinal Herath and K. Jayananda. "Comparison of Serial and Parallel Snake Robots for Lateral Undulation Motion Using Gazebo". In: 2016 IEEE International Conference on Information and Automation for Sustainability (ICIAfS-2016).
AWARDS AND SCHOLARSHIPS	<ul style="list-style-type: none">• Student travel grant to attend ACM/IEEE Symposium on Architectures for Networking and Communications (ANCS-2018).• NSF Student travel grant to attend IEEE International Conference on Communications (ICC-2018).• Winner of Dr. Sarath Gunapala Gold Medal for Computational Physics, University of Colombo, Sri Lanka (2017).• Recipient of MIND(Munasinghe Institute for Development) Scholarship, Sri Lanka (2015-2016).

EXPERIENCE

- Graduate Teaching Assistant, Watson School of Engineering & Applied Science, SUNY Binghamton. (Fall-2018, Spring-2019)
- Graduate Research Assistant, Watson School of Engineering & Applied Science, SUNY Binghamton.(Fall-2017, Spring-2018, Summer-2018)
- Temporary Lecturer, Department of Physics, University of Colombo, Sri Lanka.(2017)
- Assistant Head Prefect, St. Joseph's college, Sri Lanka. (2011-2012)

SKILLS

Programming Skills:

- C, Java, Python, Tensorflow, Solidity, MATLAB, Gazebo, Scilab

Modeling Skills & Platforms:

- Markovian Models, Optimizations, Deep Learning, Ethereum-Blockchain, Mathematical Modeling