

J. Dinal Herath

CONTACT INFORMATION	Full Name: Jerome Dinal Herath Muthukumaranage email: jherath1 AT binghamton DOT edu dinalherath.com
EDUCATION	State University of New York - Binghamton , NY, USA Ph.D., Computer Science, August 2017 - Present (current GPA: 3.91/4.00) University of Colombo , Sri Lanka B.S., Computational Physics (Major), July 2017 (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. J. Dinal Herath, Anand Seetharam, Arti Ramesh. "A Deep Learning Model for Wireless Channel Quality Prediction". In: IEEE International Conference on Communications (ICC-2019).[Submitted & Under Review]2. 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).3. J. Dinal Herath and Anand Seetharam. "Analyzing Opportunistic Request Routing in Wireless Cache Networks". In: IEEE International Conference on Communications (ICC-2018).4. 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).5. 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	<ul style="list-style-type: none">• Graduate Teaching Assistant, Watson School of Engineering & Applied Science, SUNY Binghamton. (Fall-2018)• 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, MATLAB, Gazebo, Scilab

Modeling Skills:

- Markovian Models, Optimizations, Deep Learning, Mathematical Modeling