

# Keheliya Galaba

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## PUBLICATIONS

### FULL PAPERS IN INTERNATIONAL JOURNALS

- [TSE18] [K. Gallaba](#) and S. McIntosh, “Use and Misuse of Continuous Integration Features: An Empirical Study of Projects that (mis)use Travis CI,” *IEEE Transactions on Software Engineering*, May 2018.

### FULL PAPERS IN INTERNATIONAL CONFERENCES

- [ICSME17] [K. Gallaba](#), Q. Hanam, A. Mesbah, and I. Beschastnikh, “Refactoring Asynchrony in JavaScript”, In *Proceedings of the International Conference on Software Maintenance and Evolution (ICSME)*, 353–363, Sep 2017.
- [ESEM15] [K. Gallaba](#), A. Mesbah, and I. Beschastnikh, “Don’t Call Us, We’ll Call You: Characterizing Callbacks in JavaScript”, In *Proceedings of the International Symposium on Empirical Software Engineering and Measurement (ESEM)*, pp. 247–256, Oct 2015. **Best Paper Award**

### SHORT PAPERS IN INTERNATIONAL CONFERENCES

- [MSR18a] N. Rabbani, M. S. Harvey, S. Saquif, [K. Gallaba](#), and S. McIntosh, “Revisiting “Programmers’ Build Errors” in the Visual Studio Context”, In *Proceedings of the 15th International Conference on Mining Software Repositories (MSR), Mining challenge*, pp. To Appear, May 2018.
- [MSR18b] “Do Software Engineers Use Autocompletion Features Differently Than Other Developers?”, R. Amlekar, A. F. R. Gamboa, [K. Gallaba](#), and S. McIntosh In *Proceedings of the 15th International Conference on Mining Software Repositories (MSR), Mining challenge*, pp. To Appear, May 2018.
- [MSR17a] M. Manglaviti, E. Coronado-Montoya, [K. Gallaba](#), and S. McIntosh, “An Empirical Study of the Personnel Overhead of Continuous Integration”, In *Proceedings of the 14th International Conference on Mining Software Repositories (MSR), Mining challenge*, pp. 471–474, May 2017.
- [MSR17b] Y. Khan, Y. Gupta, [K. Gallaba](#), and S. McIntosh, “The Impact of the Adoption of Continuous Integration on Developer Attraction and Retention”, In *Proceedings of the 14th International Conference on Mining Software Repositories (MSR), Mining challenge*, pp. 491–494, May 2017.

### FULL PAPERS IN INTERNATIONAL WORKSHOPS

- [CeBPM12] [K. Gallaba](#), U. Pavalanathan, I. Jayawardena, E. Sooriyabandara, V. Nanayakkara, “Levi — A Workflow Engine Using BPMN 2.0”, Workshop on Cloud-enabled Business Process Management (CeBPM 2012), Paphos, Cyprus, pp. 92–104 Nov 2012.

## AWARDS & RECOGNITION

- FRQNT Doctoral Research Award (Bourses de doctorat en recherche) May 2018  
Ranked #1 in the ICT group and obtained the competitive scholarship provided by Fonds de recherche du Québec – Nature et technologies (FRQNT).
- McGill Engineering Doctoral Award (MEDA) 2016 – 2019  
Full scholarship with stipend for PhD studies at McGill University.
- Best Full Paper Award Oct 2015  
Awarded at The ACM/IEEE International Symposium on Empirical Software Engineering and Measurement.
- ISERN Student Travel Grant Oct 2015  
Awarded by The International Software Engineering Research Network (ISERN) to attend ESEM ’15.

## ACADEMIC SERVICE

### ARTIFACT EVALUATION COMMITTEE MEMBER

- Int’l Conf. on Object-oriented Programming, Systems, Languages, and Applications (**OOPSLA**) 2017

### CO-REVIEWER

- Int’l Conf. on Mining Software Repositories (**MSR**) 2018
- Canadian Conf. on Electrical and Computer Engineering (**CCECE**) 2018
- Int’l Conf. on Software Maintenance and Evolution (**ICSME**) 2017
- Journal of Systems and Software (**JSS**) 2017

<b>RESEARCH EXPERIENCE</b>	<b>Microsoft Research</b> , Cambridge, UK	
	<ul style="list-style-type: none"> <li>PhD Research intern, Systems and Networking Group <ul style="list-style-type: none"> <li>Supervisors: Dr Katja Kevic and Dr Brendan Murphy</li> <li>Focus: Continuous Deployment.</li> </ul> </li> </ul>	Jun 2018 – Sep 2018
<b>MENTORING &amp; TEACHING EXPERIENCE</b>	<b>Undergraduate Students</b> (Co-advised with S. McIntosh)	
	<ul style="list-style-type: none"> <li>Rahul Amlekar, Noam Rabbani, Mike Harvey, Sadnan Saquif, Andrés Felipe Rincón Gamboa <ul style="list-style-type: none"> <li>Co-authored Papers: MSR18a, MSR1b</li> </ul> </li> </ul>	Sep 2017 – Apr 2018
	<ul style="list-style-type: none"> <li>Marco Manglaviti, Eduardo Coronado-Montoya, Yash Gupta, Yusaira Khan <ul style="list-style-type: none"> <li>Co-authored Papers: MSR17a, MSR17b</li> </ul> </li> </ul>	Sep 2016 – Apr 2017
	<b>Teaching Assistant</b>	
	<ul style="list-style-type: none"> <li>McGill University, Montréal, QC, Canada <ul style="list-style-type: none"> <li>ECSE321 Introduction to Software Engineering</li> </ul> </li> </ul>	Fall 2017
	<ul style="list-style-type: none"> <li>University of British Columbia, Vancouver, BC, Canada <ul style="list-style-type: none"> <li>EECE416 Software Testing and Analysis</li> <li>EECE310 Software Engineering</li> </ul> </li> </ul>	Winter II 2014 Winter II 2013 & Winter I 2014
<b>INDUSTRIAL EXPERIENCE</b>	<b>Fortinet Inc.</b> , Vancouver, BC, Canada	
	<ul style="list-style-type: none"> <li><b>Software Development Engineer II</b>, Forticlient Team <ul style="list-style-type: none"> <li>Worked on the system for generating software vulnerability signatures, validating them, and delivering them to endpoint security software (Forticlient).</li> </ul> </li> </ul>	Feb 2016 – Aug 2016
	<b>WSO2 Inc.</b> , Colombo, Sri Lanka	
	<ul style="list-style-type: none"> <li><b>Senior Software Engineer</b>, Integration Technologies Team <ul style="list-style-type: none"> <li>Development and support of open source middleware solutions for enterprise integration problems.</li> </ul> </li> <li><b>Software Engineer</b>, Integration Technologies Team <ul style="list-style-type: none"> <li>Worked with WSO2 Business Process Server, Enterprise Service Bus, Identity Server &amp; Governance Registry.</li> <li>Experience with WS-BPEL &amp; other WS-* standards, SOAP/REST web services.</li> <li>XPATH, XSLT, Apache ODE and Eclipse plug-in development.</li> </ul> </li> </ul>	Apr 2013 – Nov 2013 Dec 2011 – Mar 2013
<b>SKILLS</b>	L <sup>A</sup> T <sub>E</sub> X, Java, JavaScript, Node.js, Python, R, GIT, SVN, Ant, Maven.	
<b>EDUCATION</b>	<b>McGill University</b> , Montréal, QC, Canada	
	<ul style="list-style-type: none"> <li>Ph.D. in Software Engineering <ul style="list-style-type: none"> <li>Thesis: Improving the Robustness and Efficiency of Continuous Integration and Continuous Deployment Tools</li> <li>Adviser: Prof. Shane McIntosh</li> <li>Publications: MSR17a, MSR17b, MSR18a, MSR18b, TSE18.</li> </ul> </li> </ul>	Sep 2016 – Present
	<b>University of British Columbia</b> , Vancouver, BC, Canada	
	<ul style="list-style-type: none"> <li>M.A.Sc. in Software Engineering <ul style="list-style-type: none"> <li>Thesis: Characterizing and refactoring asynchronous JavaScript callbacks</li> <li>Advisers: Prof. Ali Mesbah and Prof. Ivan Beschastnikh</li> <li>Publications: ESEM15, ICSME17.</li> </ul> </li> </ul>	Jan 2014 – Dec 2015
	<b>University of Moratuwa</b> , Moratuwa, Sri Lanka	
	<ul style="list-style-type: none"> <li>B.Sc. (Hons.) in Computer Science and Engineering <ul style="list-style-type: none"> <li>Thesis: An analysis of BPMN 2.0 as a business process execution language</li> <li>Advisers: Vishaka Nanayakkara and Dr Milinda Pathirage</li> <li>Publications: CeBPM12.</li> </ul> </li> </ul>	May 2007 – Nov 2011

[CV compiled on 2018-07-05]