

## Deukyeon Hwang

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CONTACT INFORMATION	Department of Computer Science and Engineering Ulsan National Institute of Science and Tehchology (UNIST) 106-605, UNIST-gil 50, Eonyang-eup, Ulju-gun, Ulsan, 44919, Korea	<i>E-mail:</i> deukyeon@unist.ac.kr <i>http://diel.unist.ac.kr/~deukyeon</i>
PERSONAL INFORMATION	2nd year Master Student majoring in Computer Science, UNIST	
RESEARCH INTERESTS	Next generation Non-Volatile Memory Distributed Systems Storage Systems	
EDUCATION	<b>UNIST (Ulsan National Institute of Science and Tehchology)</b> , Ulsan, Korea  M.S. in Computer Science <b>Mar. 2017 - Present</b> <ul style="list-style-type: none"><li>• Advisor: Dr. Beomseok Nam</li></ul> B.S. in Electrical and Computer Engineering <b>Mar. 2010 - Feb. 2014</b> <ul style="list-style-type: none"><li>• Computer Science and Engineering</li><li>• Tech Mng/Info Sys/Entrepreneurship-2nd</li></ul>	
EMPLOYMENT	<b>UNIST (Ulsan National Institute of Science and Tehchology)</b> , Ulsan, Korea  <i>Graduate Research Assistant</i> <b>Mar. 2017 - Present</b> <i>Graduate Teaching Assistant</i> <b>Mar. 2017 - Jun. 2017</b> <ul style="list-style-type: none"><li>• Engineering Programming (Basic C++)</li></ul> <b>Tastelog (The Ventures Lab)</b> , Seoul, Korea <b>Sep. 2015 - Oct. 2016</b> <i>Back-end server developer (based on Rails)</i>  <b>JellyBus</b> , Seoul, Korea <b>Jan. 2014 - Aug. 2015</b> <i>IOS developer (based on Objective-C)</i>  <b>DICL (Data Intensive Computing Lab)</b> , UNIST, Ulsan, Korea <b>Mar. 2011 - Feb. 2014</b> <i>Undergraduate student research assistant</i> <ul style="list-style-type: none"><li>• Advisor: Dr. Beomseok Nam</li></ul> <b>Research Lab</b> , University of Maryland, Collage Park, MD, USA <b>Jun. 2013 - Aug. 2013</b> <i>Research Internship</i> <ul style="list-style-type: none"><li>• Advisor: Dr. Alan Sussman, Department of Computer Science</li></ul> <b>Information Service Department</b> , UNIST, Ulsan, Korea <b>Sep. 2011 - Dec. 2011</b>	
GRANTS AND AWARDS	<b>Student Grant</b> , <b>Feb. 2018</b> USENIX FAST18, Oakland, CA, USA  <b>Merit-based Full Scholarship</b> , <b>Mar. 2010 - Feb. 2014</b> KOSAF(Korea Student Aid Foundation), Korea	

- The Second Prize,** **Sep. 2013**  
KSC13 (Korea Super Computing Contest), Seoul, Korea
- Global Scholarship for internship,** UNIST, Ulsan, Korea **Jun. 2013 - Aug. 2013**
- Finalist Award,** **Apr. 2013**  
ASC13 (Asia Super Computing Contest), Shanghai, China
- Experiencing HPC Undergraduate Program,** **Nov. 2012**  
SC13 (Super Computing), Salt Lake City, Utah, USA
- Support all expenses at the conference

#### PUBLICATIONS

- [1] **Deukyeon Hwang**, Wook-Hee Kim, Youjip Won, and Beomseok Nam "Endurable Transient Inconsistency in Byte-Addressable Persistent B+-Tree", the 16th USENIX Conference on File and Storage Technologies (FAST '18), (16% a/r), Oakland, CA. Feb. 2018.
- [2] Vicente A. B. Sanchez, Wonbae Kim, Youngmoon Eom, Kibeom Jin, Moohyeon Nam, **Deukyeon Hwang**, Jik-Soo Kim, and Beomseok Nam "EclipseMR: Distributed and Parallel Task Processing with Consistent Hashing", 19th IEEE International Conference on Cluster Computing (CLUSTER 2017), (21% a/r), Honolulu, Hawaii, Sept. 2017.
- [3] Youngmoon Eom, **Deukyeon Hwang**, Junyong Lee, Jonghwan Moon, Minho Shin, and Beomseok Nam "EM-KDE: A Locality-Aware Job Scheduling Policy with Distributed Semantic Caches", Journal of Parallel and Distributed Computing (JPDC), Volume 83, pp 119-132, Elsevier, Sep. 2015.
- [4] Youngmoon Eom, Jinwoong Kim, **Deukyeon Hwang**, Jaewon Kwak, Minho Shin, Beomseok Nam "Improving Multi-dimensional Query Processing with Data Migration in Distributed Cache Infrastructure", 21st IEEE International Conference on High Performance Computing (HiPC 2014) (23% a/r), Goa, India, Dec. 2014.
- [5] Beomseok Nam, **Deukyeon Hwang**, Jinwoong Kim, and Minho Shin, "High-Throughput Query Scheduling with Spatial Clustering based on Distributed Exponential Moving Average", Special issue on data intensive eScience, Distributed and Parallel Databases (DAPD), Volume 30, Issue 5-6, pp 401-414, Springer, 2012.

#### REFERENCES

- **Ph.D. Beomseok Nam**  
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*I certify this CV is accurate and complete – April 3, 2018*