















FusedOS: Fusing LWK Performance with FWK Functionality in a Heterogeneous Environment 2012 IEEE 24th International Symposium on Computer Architecture and High Performance Computing

- [7] Xiang Song Haibo Chen Rong Chen Yuanxuan Wang Binyu Zang Cerberus A Case for Scaling Applications to Many-core with OS Clustering Parallel Processing Institute, Fudan University
- [8] Silas Boyd, Wickizer Haibo, Chen, Rong Chen, Yandong Mao, Frans Kaashoek, Robert Morris, Aleksey Pesterev, Lex Stein, Ming Wu, Yuehua Dai, Yang Zhang, Zheng Zhang Corey: An Operating System for Many Cores MIT, Fudan University, Microsoft Research Asia, Xi'an Jiaotong University 8th USENIX Symposium on Operating Systems Design and Implementation
- [9] NASA Advanced Supercomputing Division  
<http://www.nas.nasa.gov/publications/npb.html>
- [10] Andrew Baumann, Paul Barham, Pierre-Evariste Dagand, Tim Harris, Rebecca Isaacs, Simon Peter, Timothy Roscoe, Adrian Schüpbach, and Akhilesh Singhaniania The Multikernel: A new OS architecture for scalable multicore systems ETH Zurich Microsoft Research, Cambridge ENS Cachan Bretagne



**Biruk Y. Nidaw** received B.S. in Electrical engineering from Adama University in 2010 Adama, Ethiopia. He is assistant lecturer in Adama Science & Technology University, Adama, Oromia Ethiopia. Currently an Integrated Program student in Computer software and engineering Department of University of Science and Technology (UST) in Electronics and Telecommunication Research Institute (ETRI) campus, Daejeon, South Korea. His research interest focus on system software, computer architecture and system interconnection design



**Ziho Shin** received B.S. in Electrical and Electronics Engineering from University of Ulsan in 2015 Ulsan, South Korea. He was worked as research assistant in automatic control lab in Electrical Engineering Department University of Ulsan in 2012 to 2013 Ulsan, South Korea and also he was worked as VRE Operation Intern Goodwill San Francisco/San Mateo/Marine Counties HQ in 2014 San Francisco, California, USA. He is currently enrolled in master course student in Computer software, Department of University of Science and Technology (UST) in Electronics and Telecommunication Research Institute (ETRI) campus, Daejeon, South Korea. His research interest focus on computer architecture, asynchronous circuit design and high-speed system fabric interconnection design.



**Sungin Jung** received the Ph.D. degree in computer science from ChungNam national university in 2006. He had worked for developing UNIX kernel for SMP, ccNUMA and MPP systems in cooperation with Novell and SCO. In the early 2000s, he was a user and advocate of open source software including Linux in Korea. Currently, he is the director of Basic Research Center for Software, and the project manager of the "Manycore Operating System" national project. His research areas focus on operating system, computer architecture, and cloud computing.



**Young Woo Kim** received his BS, MS, and PhD in electronics engineering from Korea University, Seoul, Rep. of Korea, in 1994, 1996, and 2001, respectively. In 2001, he joined ETRI, Daejeon, Rep. of Korea. He is an associate professor at the University of Science and Technology (UST), Daejeon, since 2014. His current research interests are high-speed networks and supercomputing system architecture.