

# Advances in Blockchain Technology

## Lecture Schedule (1<sup>st</sup> Semester March. - June. 2019)

Week	Date	Presented by	Paper	Topic of
1st	05/03/2019	<b>Prof. Jong Hyuk Park</b>	Orientation & Overview	
2nd	12/03/2019	프라딤	Intoduction of BlockChain	
		셔일렌드라	Weng, J., Weng, J., Zhang, J., Li, M., Zhang, Y., & Luo, W. (2018). Deepchain: Auditable and privacy-preserving deep learning with blockchain-based incentive. <i>Cryptology ePrint Archive, Report 2018/679</i> (2018).	Integration of Blockchain and Machine Learning
3rd	19/03/2019	-	supplementary presentation	Basic methodologies and concepts (survey and review)
		미카일	Meng, W., Tischhauser, E. W., Wang, Q., Wang, Y., & Han, J. (2018). When intrusion detection meets blockchain technology: a review. <i>Ieee Access</i> , 6, 10179-10188.	
4th	26/03/2019	수실	Salah, K., Rehman, M. H., Nizamuddin, N., & Al-Fuqaha, A. (2019). Blockchain for AI: Review and Open Research Challenges. <i>IEEE Access</i> .	
		권병욱	Cai, W., Wang, Z., Ernst, J. B., Hong, Z., Feng, C., & Leung, V. C. (2018). Decentralized applications: The blockchain-empowered software system. <i>IEEE Access</i> , 6, 53019-53033.	
5th	02/04/2019	오간바야르	Rahouti, M., Xiong, K., & Ghani, N. (2018). Bitcoin Concepts, Threats, and Machine-Learning Security Solutions. <i>IEEE Access</i> , 6, 67189-67205.	
		차정훈	Fernández-Caramés, T. M., & Fraga-Lamas, P. (2018). A Review on the Use of Blockchain for the Internet of Things. <i>IEEE Access</i> .	
6th	09/04/2019	공성현	Liu, C. H., Lin, Q., & Wen, S. (2018). Blockchain-enabled Data Collection and Sharing for Industrial IoT with Deep Reinforcement Learning. <i>IEEE Transactions on Industrial Informatics</i> .	Integration of Blockchain and Machine Learning
		석병진	Khan, M. A., & Salah, K. (2018). IoT security: Review, blockchain solutions, and open challenges. <i>Future Generation Computer Systems</i> , 82, 395-411.	Blockchain for IoT
7th	16/04/2019	박진성	Li, R., Song, T., Mei, B., Li, H., Cheng, X., & Sun, L. (2018). Blockchain for large-scale internet of things data storage and protection. <i>IEEE Transactions on Services Computing</i> .	General Applications
		코스타	Pärssinen, M., Kotila, M., Rumin, R. C., Phansalkar, A., & Manner, J. (2018). Is Blockchain Ready to Revolutionize Online Advertising?. <i>IEEE Access</i> , 6, 54884-54899.	
8th	23/04/2019	<b>Midterm (Paper- Survey/Proposal [English/Korean])</b>		
9th	30/04/2019	조정훈	Yu, Y., Li, Y., Tian, J., & Liu, J. (2018). Blockchain-Based Solutions to Security and Privacy Issues in the Internet of Things. <i>IEEE Wireless Communications</i> , 25(6), 12-18.	Security and Privacy
		나랑자르갈	Qu, C., Tao, M., Zhang, J., Hong, X., & Yuan, R. (2018). Blockchain based credibility verification method for IoT entities. <i>Security and Communication Networks</i> , 2018.	
10th	07/05/2019	조민정	Liang, G., Weller, S. R., Luo, F., Zhao, J., & Dong, Z. Y. (2018). Distributed blockchain-based data protection framework for modern power systems against cyber attacks. <i>IEEE Transactions on Smart Grid</i> .	Security and Privacy

		이영현	Wan, J., Li, J., Imran, M., & Li, D. (2019). A Blockchain-Based Solution for Enhancing Security and Privacy in Smart Factory. <i>IEEE Transactions on Industrial Informatics</i> .	
11th	14/05/2019	윌리엄	Liu, M., Yu, F. R., Teng, Y., Leung, V. C., & Song, M. (2019). Distributed Resource Allocation in Blockchain-Based Video Streaming Systems With Mobile Edge Computing. <i>IEEE Transactions on Wireless Communications</i> , 18(1), 695-708.	General Applications
12nd	21/05/2019	엘제나	Turkanović, M., Hölbl, M., Košič, K., Heričko, M., & Kamišalić, A. (2018). EduCTX: A blockchain-based higher education credit platform. <i>IEEE Access</i> , 6, 5112-5127.	General Applications
		셔일렌드라	Xiong, Z., Zhang, Y., Niyato, D., Wang, P., & Han, Z. (2018). When mobile blockchain meets edge computing. <i>IEEE Communications Magazine</i> , 56(8), 33-39.	Challenges and opportunities
		이재동	Feng, S., Wang, W., Xiong, Z., Niyato, D., Wang, P., & Wang, S. S. (2018). On cyber risk management of blockchain networks: A game theoretic approach. arXiv preprint arXiv:1804.10412.	
13rd	28/05/2019	공성현	Malomo, O. O., Rawat, D. B., & Garuba, M. (2018). Next-generation cybersecurity through a blockchain-enabled federated cloud framework. <i>The Journal of Supercomputing</i> , 74(10), 5099-5126.	
		미카엘	Sharma, P. K., Chen, M. Y., & Park, J. H. (2018). A software defined fog node based distributed blockchain cloud architecture for IoT. <i>IEEE Access</i> , 6, 115-124.	Blockchain for IoT
		류정현	Wang, H., Wang, Q., He, D., Li, Q., & Liu, Z. (2019). BBARS: Blockchain-Based Anonymous Rewarding Scheme for V2G Networks. <i>IEEE Internet of Things Journal</i> .	
14th	04/06/2019	석병진	Y. Liu, K. Wang, Y. Lin and W. Xu. (2019). LightChain: A Lightweight Blockchain System for Industrial Internet of Things. <i>IEEE Transactions on Industrial Informatics</i> .	
		수실	Sharma, P. K., Kumar, N., & Park, J. H. (2018). Blockchain-based Distributed Framework for Automotive Industry in a Smart City. <i>IEEE Transactions on Industrial Informatics</i> .	Blockchain for IoT
		강원민	Qiu, C., Yu, F. R., Yao, H., Jiang, C., Xu, F., & Zhao, C. (2018). Blockchain-Based Software-Defined Industrial Internet of Things: A Dueling Deep Q-Learning Approach. <i>IEEE Internet of Things Journal</i> .	Integration of Blockchain and Machine Learning
15th	11/06/2019	<b>Proposal Paper Presentation</b>		
16th	18/06/2019	<b>Final term (Paper- Proposal [English])</b>		

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