

## 耐災害 ICT 研究活動 (2018 年)

<論文>

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1. Tohn Furutani, Yuichi Kawamoto, Hiroki Nishiyama, and Nei Kato, "A Novel Information Diffusing Method With Virtual Cells Based Wi-Fi Direct In Disaster Area Networks," IEEE Wireless Communications and Networking Conference (WCNC 2018), Barcelona Spain, Apr. 2018.
2. K. Kasai, M. Yoshida, T. Hirooka, K. Iwatsuki, and M. Nakazawa, "Backward-Rayleigh-Scattering Suppressed 160 Gbit/s 256 QAM Injection-Locked Bidirectional Coherent Transmission for Next Generation Mobile Fronthaul," ECOC 2018, Th2.71, September 2018.
3. M. Suzuki, T. Hosotani, T. Otsuji, T. Suemitsu, Y. Takida, H. Ito, H. Minamide, and A. Satou, "Introduction of 2D Diffraction Grating into Grating-Gate Plasmonic THz Detector for Controlling Its Polarization Characteristics," 2018 Asia-Pacific Workshop on Fundamentals and Applications of Advanced Semiconductor Devices (AWAD 2018), Kitakyushu, Japan, Jul. 2-4, 2018.
4. Kazuto Sasai, Takuya Hoshino, Gen Kitagata, Tetsuo Kinoshita, "Collective interaction between humans and agents in the network management tasks," Proc. of The Twenty-Third International Symposium on Artificial Life and Robotics 2018 (AROB 23rd 2018), pp.670-673, Jan. 2018.
5. Shuichi Sakamoto, Zhenglie Cui, Tomori Miyashita, Masayuki Morimoto, Yôiti Suzuki, Hayato Sato, "Effects of inter-word pauses on speech intelligibility under long-path echo conditions," Applied Acoustics, 140(2018), pp.263-274, 2018.
6. Xiaonan Liu, Guan Gui, Nan Zhao, Weixiao Meng, Zan Li, Yunfei Chen, and Fumiyuki Adachi, "UAV Coverage for Downlink in Disasters: Precoding and Multi-hop D2D," Proc. IEEE/CIC International Conference on Communications in China (ICCC 2018), Beijing, China, 16-18 Aug., 2018.

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8. Ryota Sasazawa, Yuichi Kawamoto, Hiroki Nishiyama, Nei Kato, Fumie Ono, and Ryu Miura, "Multilayer Virtual-Cell-Based Resource Allocation in Unmanned Aircraft Systems," *IEEE Global Communications Conference (GLOBECOM 2018)*, Abu Dhabi, United Arab Emirates, Dec. 2018.
9. Tohn Furutani, Yuichi Kawamoto, Hiroki Nishiyama, and Nei Kato, "UAV-Assisted Information Diffusion Technique with Uniquely Virtual Cells Based on Wi-Fi Direct," *The 21st International Symposium On Wireless Personal Multimedia Communications (WPMC 2018)*, Chiang Rai, Thailand, Nov. 2018.
10. Akira Sasaki, Kazuaki Hanawa, Naoaki Okazaki and Kentaro Inui. Predicting Stances from Social Media Posts using Factorization Machines. In *Proceedings of the 27th International Conference on Computational Linguistics (COLING 2018)*, pp.3381-3390, August 2018.
11. Diana Galvan, Naoaki Okazaki, Koji Matsuda and Kentaro Inui. Investigating the Challenges of Temporal Relation Extraction from Clinical Text. In *Proceedings of the Ninth International Workshop on Health Text Mining and Information Analysis (LOUHI 2018)*, pp.55-64, October 2018.
12. Qin Dai, Naoya Inoue, Paul Reisert and Kentaro Inui. Scientific Knowledge Acquisition via the Interaction between Relation Extraction and Knowledge Graph Completion. In *Proceedings of Third International Workshop on SCientific DOCument Analysis (SCIDOCA)*, November 2018.
13. Tsubasa Tagami, Hiroki Ouchi, Hiroki Asano, Kazuaki Hanawa, Kaori Uchiyama, Kaito Suzuki, Kentaro Inui, Atsushi Komiya, Atsuo Fujimura, Ryo Yamashita, Hitofumi Yanai and Akinori Machino. Suspicious News Detection Using Micro Blog Text. To appear in *Proceedings of the 32nd Pacific Asia Conference on Language, Information and Computation*

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15. M. Suzuki, T. Hosotani, T. Otsuji, T. Suemitsu, Y. Takida, H. Ito, H. Minamide, and A. Satou, "2D diffraction grating for controlling polarization characteristics of grating-gate plasmonic THz detector," RJUSE: the 7th Russia-Japan-USA-Europe Symposium on Fundamental & Applied Problems of Terahertz Devices & Technologies Book of Abstracts, Fri-2-4, pp. 130-131, CBF Nowy Swiat, Warsaw, Poland, 17-21 Sept. 2018.
16. Hiroshi Matsumura, Ryota Fukutani, Kazuto Sasai, Gen Kitagata, Tetsuo Kinoshita, "Agent-based Smart Data Provisioning Mechanism for Supporting Network and System Administration Tasks," Proc. of 2018 IEEE 7th Global Conference on Consumer Electronics (GCCE 2018), pp.89-90, Oct. 2018.
17. Kazuto Sasai, Takuya Hoshino, Hiroki Nagawasa, Ryota Fukutani, Tetsuo Kinoshita, "A Flexible Collaboration Mechanism Between Humans and Agents on Disaster Recovery of Network Systems," Proc. of 2018 IEEE 7th Global Conference on Consumer Electronics (GCCE 2018), pp.187-188, Oct. 2018.