



I. MEMS & Sensor Systems 분과

2021년 1월 28일(목), 13:00-14:30 / 채널 C

[TC3-I] Gas Sensing Technology

좌장: 안재혁 교수 (충남대학교), 이상훈 교수 (DGIST)

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| <p>TC3-I-1 13:00-13:15</p> | <p>Effect of Post-deposition Annealing Atmosphere on NO₂ Gas Sensing and Low-frequency Noise in IGZO Thin-film Chemiresistor Gas Sensor</p> <p>Wonjun Shin, Joowon Kwon, Daehee Kwon, Minjeong Ryu, Seongbin Hong, Yujeong Jeong, Gyuweon Jung, Jinwoo Park, Donghee Kim, and Jong-Ho Lee <i>Department of Electrical and Computer Engineering, Seoul National University</i></p> |
| <p>TC3-I-2 13:15-13:30</p> | <p>Effects of Oxygen Gas Flow on the Response of FET-type Gas Sensor with Sputtered WO₃ Sensing Layer</p> <p>Yujeong Jeong^{1,2}, Seongbin Hong^{1,2}, Gyuweon Jung^{1,2}, Wonjun Shin^{1,2}, Jinwoo Park^{1,2}, Donghee Kim^{1,2}, and Jong-Ho Lee^{1,2} ¹<i>Department of Electrical Engineering, Seoul National University,</i> ²<i>Inter-University Semiconductor Research Center, Seoul National University</i></p> |
| <p>TC3-I-3 13:30-13:45</p> | <p>철회</p> |
| <p>TC3-I-4 13:45-14:00</p> | <p>H₂S Gas Sensing Characteristics of Si FET-type Gas Sensor with Localized Micro-heater</p> <p>Gyuweon Jung¹, Seongbin Hong¹, Yujeong Jeong¹, Wonjun Shin¹, Jinwoo Park¹, Donghee Kim¹, Jong-Ho Bae², Byung-Gook Park¹, and Jong-Ho Lee¹ ¹<i>Seoul National University,</i> ²<i>Kookmin University</i></p> |
| <p>TC3-I-5 14:00-14:15</p> | <p>H₂S Gas Sensing Properties in Polysilicon Control-Gate FET Gas Sensor</p> <p>Jinwoo Park^{1,2}, Seongbin Hong^{1,2}, Yujeong Jeong^{1,2}, Gyuweon Jung^{1,2}, Wonjun Shin^{1,2}, Donghee Kim^{1,2}, and Jong-Ho Lee^{1,2} ¹<i>Department of Electrical and Computer Engineering, Seoul National University,</i> ²<i>Inter-University Semiconductor Research Center (ISRC), Seoul National University</i></p> |
| <p>TC3-I-6 14:15-14:30</p> | <p>Macroscopic Analysis and Design of Si HFGFET Gas Sensor for Sensitive Gas Detection</p> <p>Seongbin Hong^{1,2}, Yujeong Jeong^{1,2}, Gyuweon Jung^{1,2}, Wonjun Shin^{1,2}, Jinwoo Park^{1,2}, Donghee Kim^{1,2}, and Jong-Ho Lee^{1,2} ¹<i>Department of Electrical and Computer Engineering, Seoul National University,</i> ²<i>Inter-University Semiconductor Research Center, Seoul National University</i></p> |