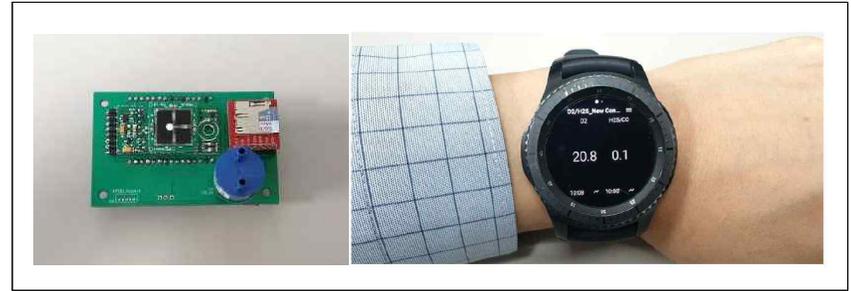


OSHRI Study Summaries Released Upgraded Confined Space Instrument

- ❑ Occupational Safety & Health Research Institute (OSHRI) has disclosed the 2019 Study Summaries to lay the foundation for implementing occupational accident prevention policies and to respond to various issues related to workplace safety and health.

 - OSHRI, which annually publishes their research, conducted 75 studies in 5 OSH fields* last year.
 - *5 fields: OSH policy research, occupational safety, occupational health, working environment, chemical hazards in workplace
- ❑ The government-funded institute has developed a gas detector capable of measuring oxygen, carbon monoxide and hydrogen sulfide simultaneously through its representative work last year : 『Development of Gas Detector for Confined Space Using State-of-the-Art Sensor Technology』 .

 - The price of the newly-developed detector can be reduced by half compared to a hydrogen sulfide detector or an industrial CO detector using sensors currently in the market.
 - OSHRI is planning to apply for a patent and a utility model registration, and will review for commercialization and mass production.
 - The related technology will be included in the OSHRI's biannual publication, "Research to Practice Report (R2P)."



[Figure] The newly developed sensor and wearable device

- ❑ In addition, OSHRI released various research on (i) health problems of school cafeteria workers; (ii) safety management of broadcasting and film production crews as well as daycare center teachers; (iii) mental health checkup including depression during health examination for the life transition period; and (iv) harmful substance measurement of recycled electronic goods.
- ❑ Out of 79 research conducted in 2018, 19 studies were published on SCI-grade journals and 41 were reflected in the OSH policy improvement.
- ❑ The research can be found on the OSHRI website* (<http://kosha.or.kr/oshri>), and the official information disclosure system "ALIO (<http://www.alio.go.kr>)."

 - * Full text is presented in Korean but the abstracts of the research are provided in English.
- ❑ Ko, Jae-cheol, the Director General of OSHRI, said, "As the OSH environment changes, there has been growing demand on the OSH policy research and practical research to prevent occupational accidents. We will prepare scientific grounds to establish policies and aggressively respond to new risks and hazards by conducting OSH research in a preemptive manner."