## Smart Agricultural Framework over RCAS in CATV network

Han-Seung KOO, Jae Hong Min, and Juyoung PARK

ETRI(Electronics and Telecommunications Research Institute), KOREA

koohs@etri.re.kr, jhmin@etri.re.kr, jypark@etri.re.kr

Abstract— This paper proposed smart agricultural framework over RCAS in CATV network. The proposed framework adopts RCAS, which is a security system which is dedicated to cable television system, as a data protection system, and cable two-way broadband network as a communication channels among smart agricultural service participants.

Keyword—Smart agricultural framework, RCAS, CATV network



**Han-Seung Koo** received his Ph.D degrees in Chungnam National University, Korea in 2008. Since 2001, he has been with ETRI, Daejeon, Korea, where he has been working on digital broadcasting system, ICT convergence technologies, and their standardization. Currently, he serves as a rapporteur for ITU-T SG9 Q.3. His current interest includes renewable conditional access system and smart agricultural technologies.



**Jae Hong Min** has been working since 1978 and received Ph.D degree of computer science from Korea University in 2004. He has taken project editorships in ITU-T and also has developed International Standards. His major research areas are smart work, smart farming. He also has great concerns on mobile office and Agriculture-ICT convergence.



**Juyoung Park** is working for ETRI from when he has received his Ph.D degree in 2001 from Chungnam National University. Thereafter, he has taken project editorships both in ITU-T and ISO/IEC/JTC1, and he also has developed three International Standards (IS). His major research areas are smart work, Multicast, QoS protocol and architecture. He also has great concerns on mobile communication and IoT.