

Ubiquitous Plant Farming based on networks

Soong-hee Lee *, DongIl Kim **, Heechang Chung ***, Aekyung Moon ****, Song Li*****

* Inje Univ., Korea, ** Dongeui Univ., Korea,
*** NIA, Korea, **** ETRI, Korea

icshee@inje.ac.kr, dikim@deu.ac.kr, heechang@nia.or.kr, akmoon@etri.re.kr, li.song@etri.re.kr

Abstract—Ubiquitous Plant Farming based on network is a service which is capable of coping with environmental and technical problems with the actualized IT convergence case for agriculture. This paper presents a brief survey on the standardization status including the reference model, service requirements and network capabilities prepared for this purpose.

Keyword—Ubiquitous Plant Farming, IT convergence.



Soong-hee Lee received the B.S., M.S., and Ph.D. degrees from Kyungpook National University, Korea in 1987, 1990 and 1995, respectively. From 1987 to 1997, he was a member of research staff in Electronics and Telecommunications Research Institute. Since 1997, he has been with the Dep't of Information and Communications Engineering, Inje University. His research activities are in the area of next generation network technologies and services. He was designated as an IT Standard Expert on behalf of Korea by Ministry of Information and Communications in 2001. He is an Editor in the ITU-T SG13 and a Member of KSII.



Dongil Kim received the B.S., M.S., and Ph.D. degrees from Kwangwoon University, Korea. He is a professor in the Dep't of Information and Communications Engineering, Dongeui University. His research activities are in the area of next generation network technologies and services. He was designated as an IT Standard Expert on behalf of Korea by Ministry of Information and Communications in 2001. He is an Editor in the ITU-T SG13.

Heechang Chung received the B.S., M.S., and Ph.D. degrees from Koryo University and Ajou University, Korea. He is an executive director in the National Information Society Agency. His research activities are in the area of next generation network technologies and services. He was designated as an IT Standard Expert on behalf of Korea by Ministry of Information and Communications in 2001. He is a Rapporteur in the ITU-T SG13.

Aekyung Moon received the B.S., M.S., and Ph.D. degrees from Kyungpook National University, Korea. She is a senior researcher in ETRI. His research activities are in the area of IT convergence in agriculture.

Song Li received the B.S., M.S. degrees from Koryo University and Ajou University, Korea. He is a senior researcher in ETRI. His research activities are in the area of IT convergence in agriculture.