Industrial Session Speaker	
Name	Seung-Hyun Cho
Affiliation	ETRI
Presentation Title	Experimental Demonstrations of Mobile Fronthaul and DAS Network Using RoF Technologies

Biography

Seung-Hyun Cho received the B.S. and M.S. degrees in Electronic Materials Engineering from Kwangwoon University, Seoul, Korea, in 1997 and 1999, respectively. He received the Ph.D. degree in Materials Science and Engineering from Hanyang University, Seoul, Korea, in 2010. Since 2000, he has been with the Electronics and Telecommunication Research Institute, Daejeon, where he is currently a Principal Researcher. His current research interests include next-generation optical access network, mobile fronthaul and backhaul networks for 5G and indoor DAS networks based on RoF technology. He is also a co-editor of G.RoF (Radio over Fiber Systems) in ITU-T SG15/Q2 and a project leader of IEC 62149-10 Ed.1 (RoF transceiver for mobile fronthaul) in IEC SC86C/WG4.

200 words abstract

We introduce the system demonstrations for mobile fronthall and DAS network based on RoF technologies. We also discuss some measured optical transmission performances in above mentioned applications. Real-time demonstration results including mobile internet services using commercial mobile terminals like smartphones and tablet PCs are also presneted to confirm their technical feasibility.