

Introduction to Communication Protocol Laboratory (<http://protocol.knu.ac.kr>)

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1. Members
2. Current Research Areas

Members

- Professor

- Seok Joo Koh

- KAIST B. S. (1992. 2)

- KAIST M. S. (1994. 2)

- KAIST Ph. D (1998. 8)

- TTA International Standardization Expert(Editor)

- ITU-T SG 13, ISO/IEC JTC1/SC6/WG7



Members

- Students
 - Sang-Tae Kim
 - Ph. D. Candidate: 3rd year
 - Moneeb Gohar
 - Ph. D. Student: 1st year
 - Soon-Hong Kwon
 - M. S. Student: 2nd year
 - Ji-In Kim
 - M. S. Student: 2nd year
 - Jae-Gyoung Lee
 - M. S. Student: 1st year
 - Jae-Wan Park
 - M. S. Student Candidate

Homepage (<http://protocol.knu.ac.kr>)

MEMBERS

PUBLICATIONS

LECTURES

TECHNICAL REPORTS

BBS

Communications Protocols Laboratory

USERS	Internet Services				
Application	HTTP	SIP	eSHOP	MMCP	ECTP
Transport	TCP	UDP	SCTP	DCCP	
Network	IP (IPv4/IPv6)				
Data Link	Ethernet, WLAN, WiBro, 3G Wireless, 4G LTE				
Physical	Fiber Optic, Wireless Media				

[Introduction to CPL](#)

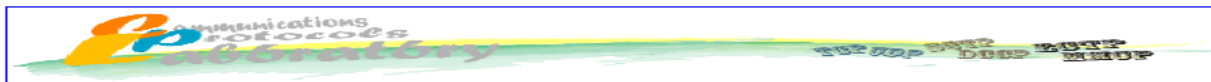
Please feel free to contact with us at **E11-309A in KNU**
(Tel) Professor: 053-950-7356, Laboratory: 053-940-8608

[Department of Computer Science \(CS\)](#)

[School of Electrical Engineering and Computer Science \(EECS\)](#)

[Kyungpook National University \(KNU\)](#)

[CPL@KOREN: CPL over KOREN](mailto:CPL@KOREN)

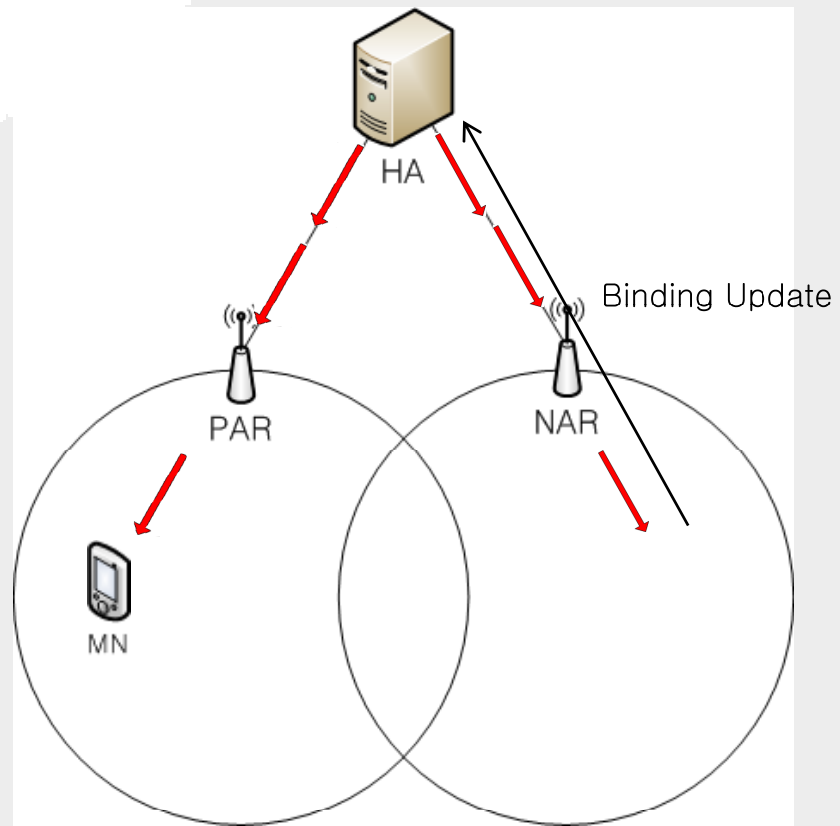


Current Research Areas

- IP Mobility
 - Mobile IP, Proxy Mobile IP
 - Mobile SCTP
 - Mobile SIP
- Future Internet
 - Mobility Optimization for Future Internet
 - MOFI: Mobile Optimized Future Internet
- Mobile Multicast for IPTV
 - Multicasting in Wireless Communication Networks
 - Mobile Multicasting

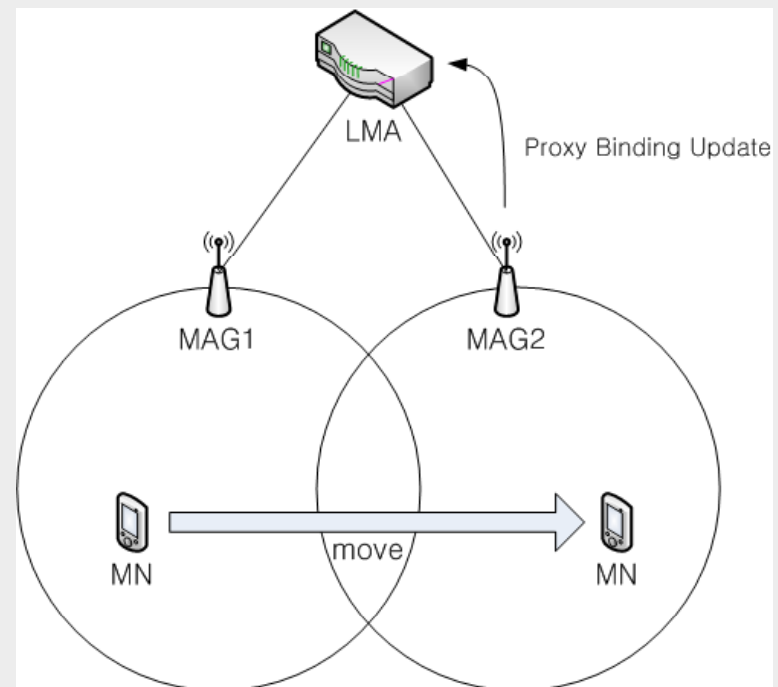
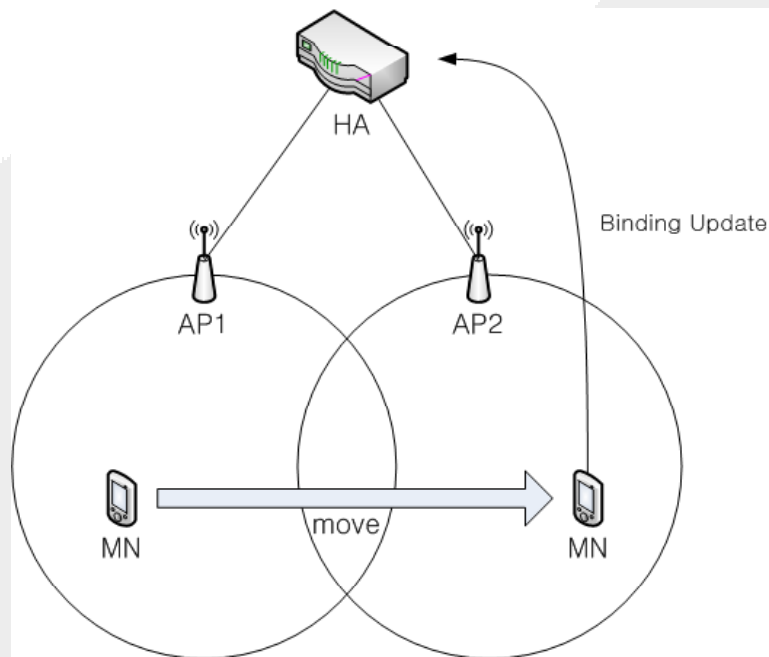
IP Mobility

- Handover



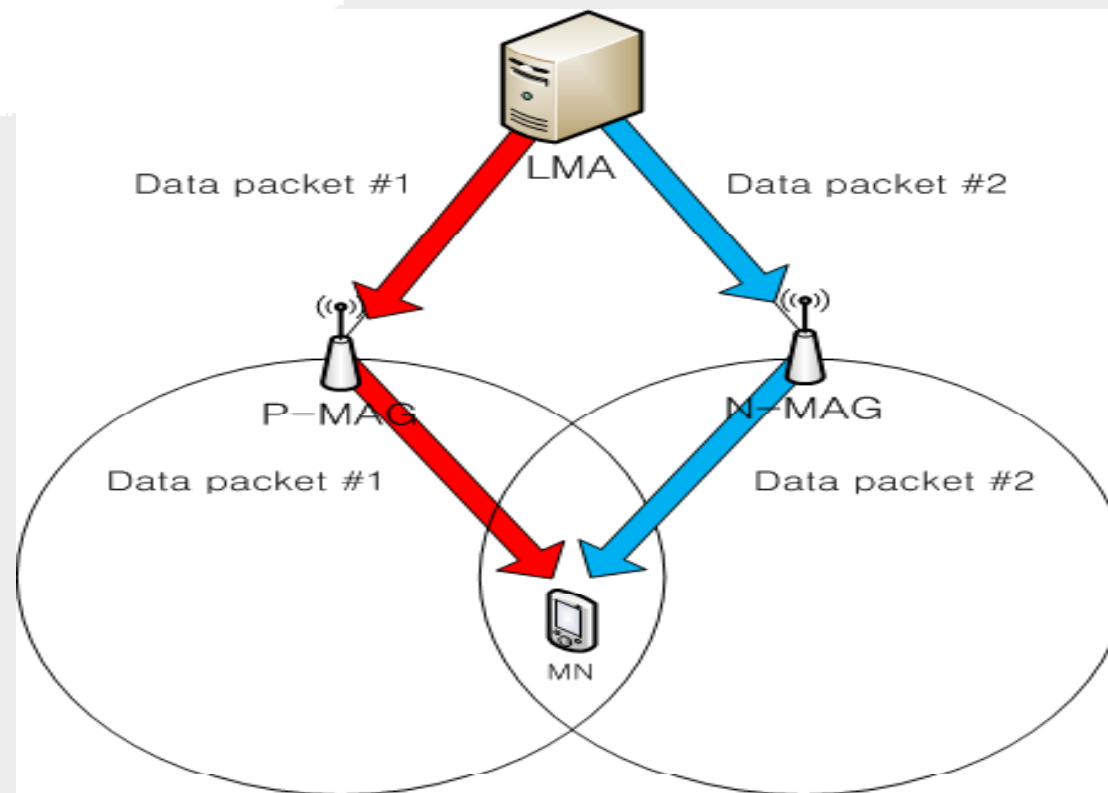
IP Mobility

- Mobile IP & Proxy Mobile IP



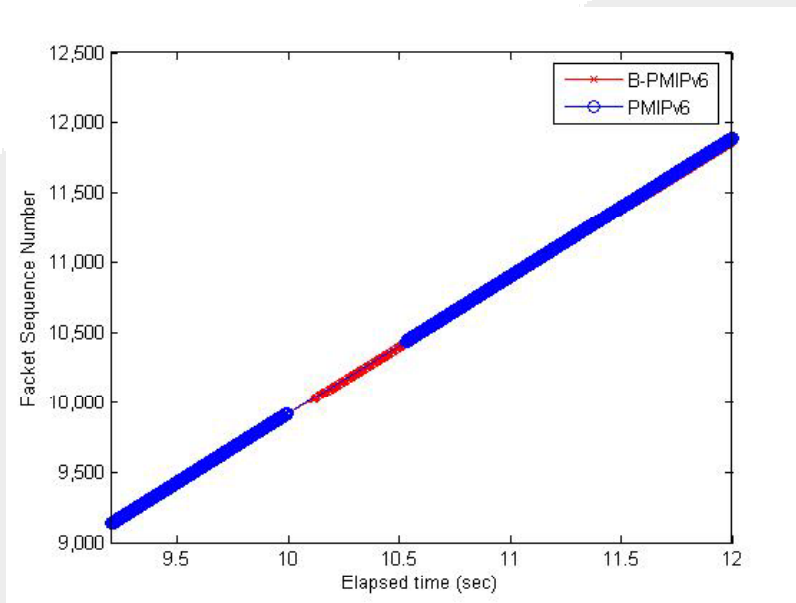
IP Mobility

- PMIPv6 with Bicasting for Seamless Handover

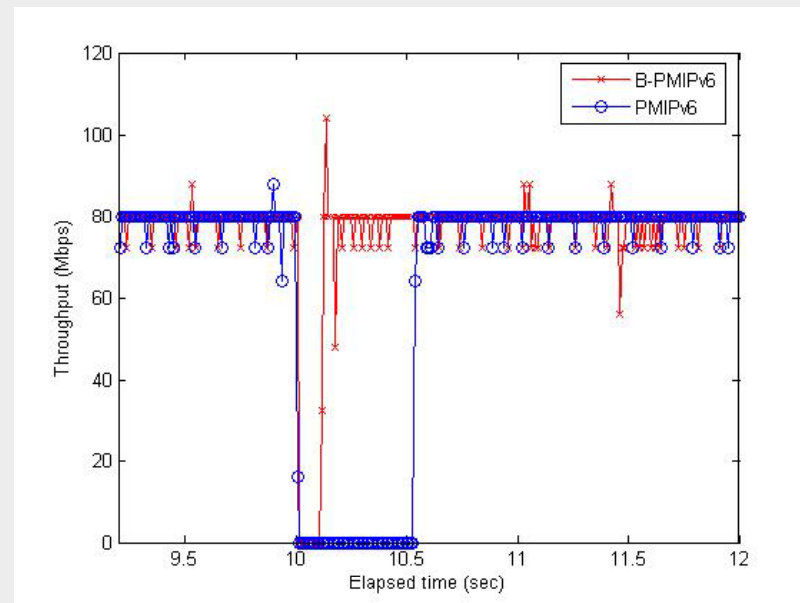


IP Mobility

- PMIPv6 with Bicasting for Seamless Handover



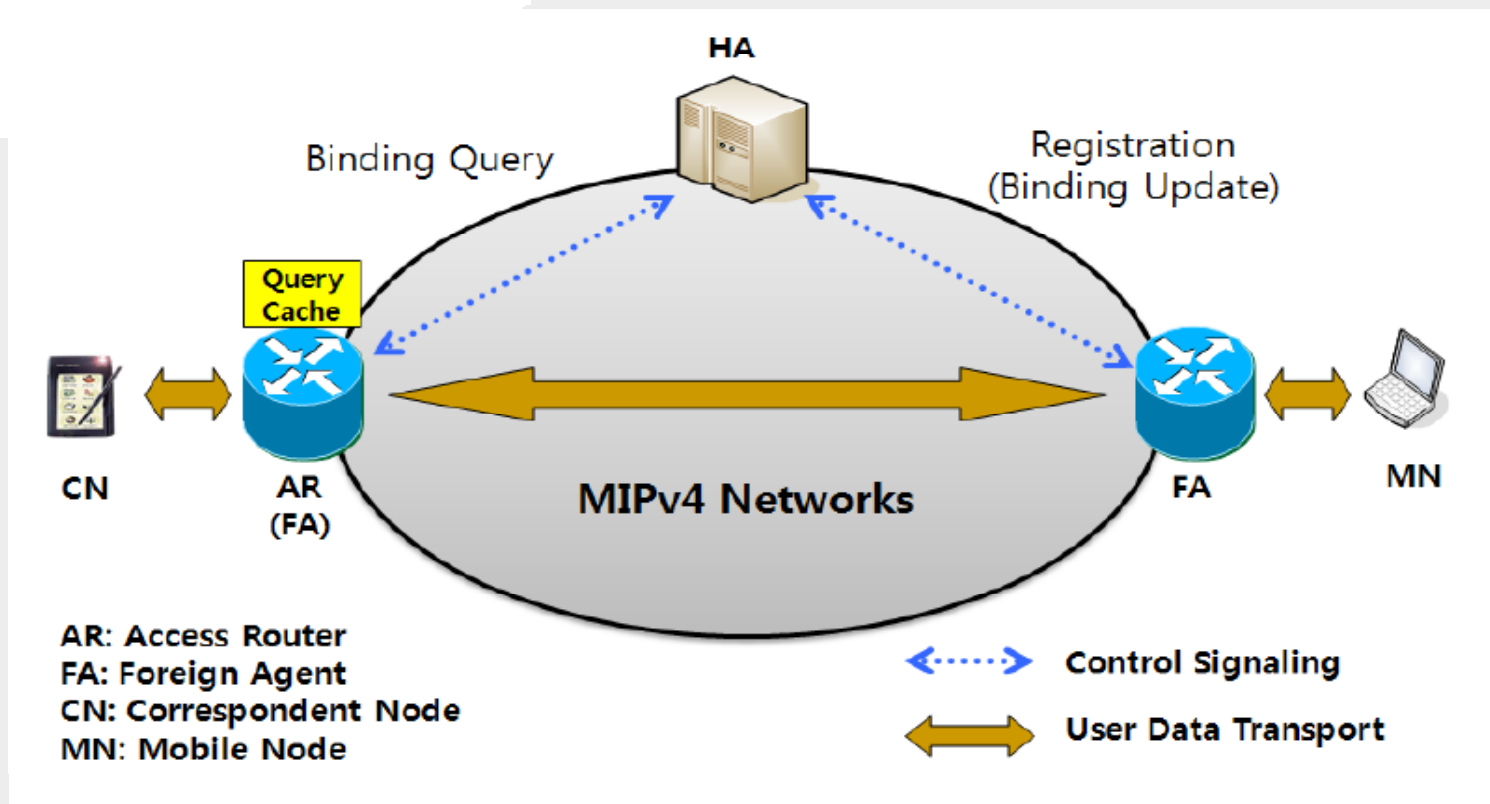
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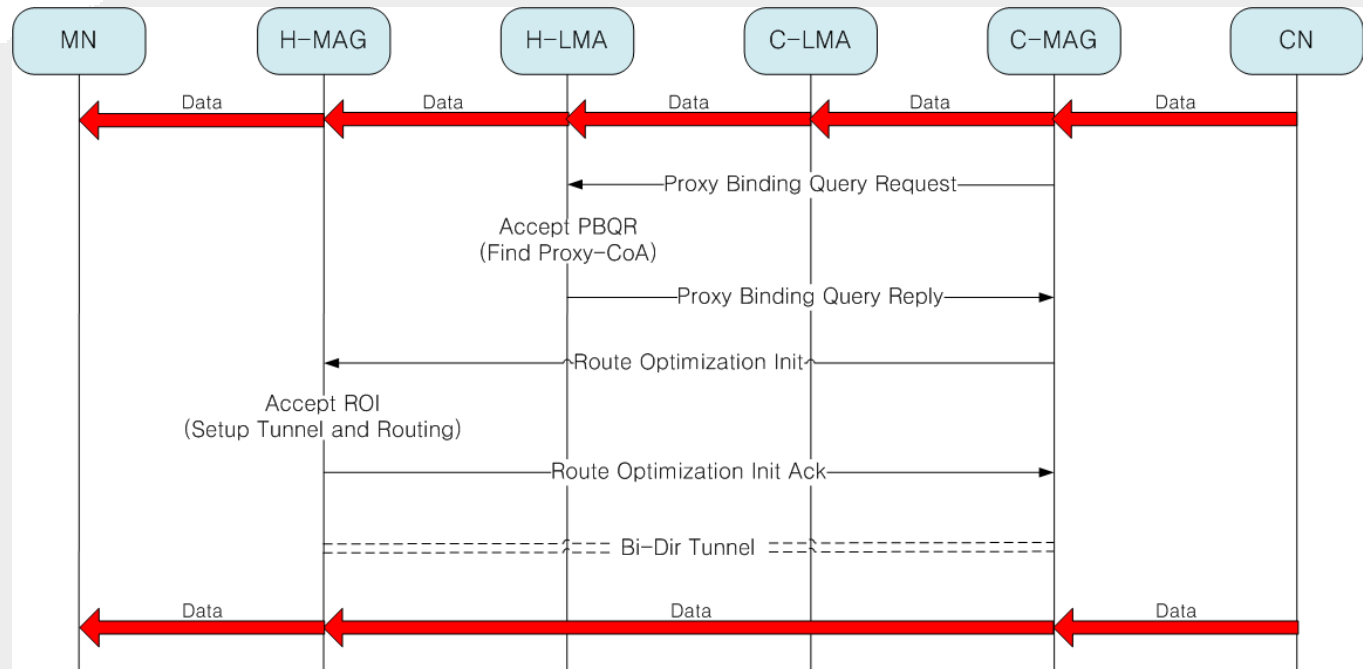
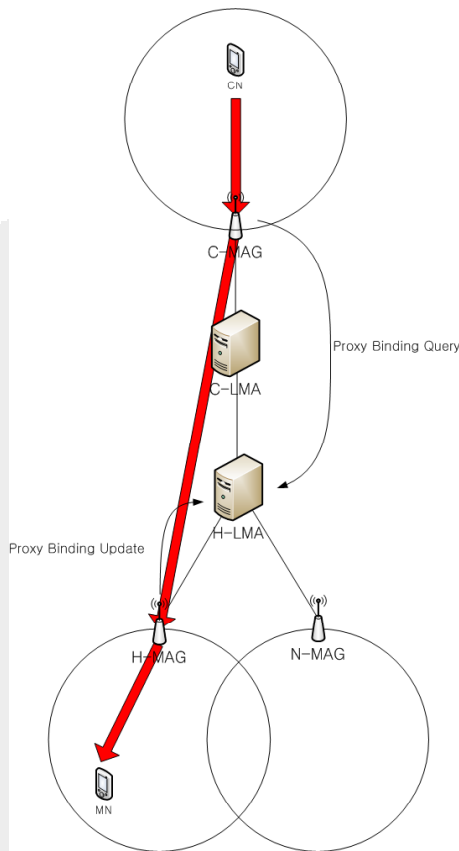
IP Mobility

- MIPv4 with Binding Query: QMIPv4



IP Mobility

- PMIPv6 with Binding Query: Q-PMIPv6

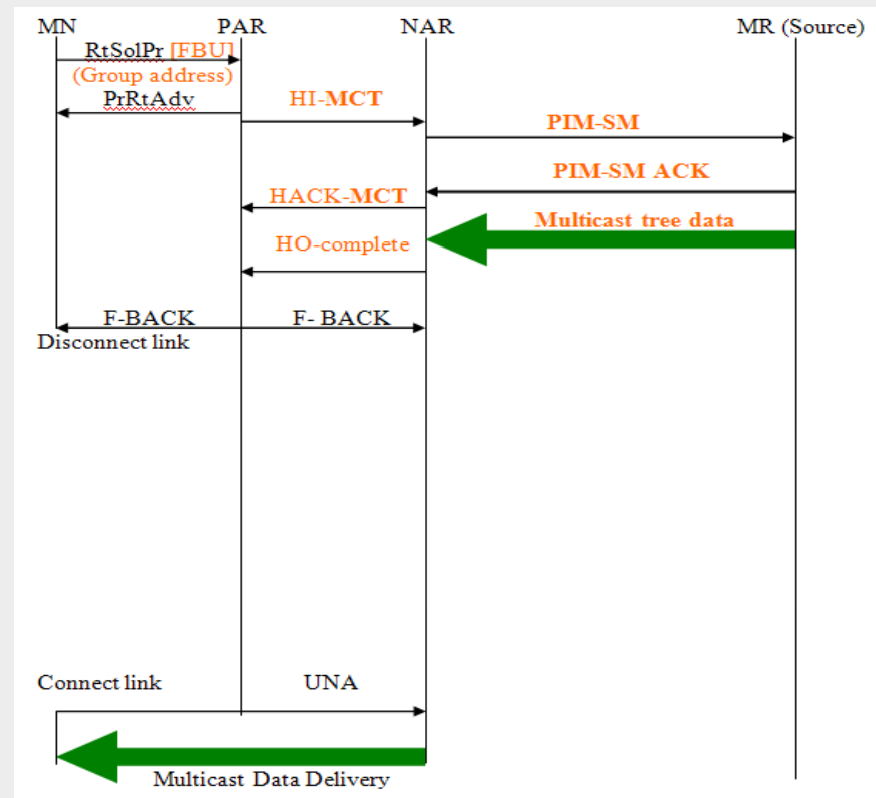
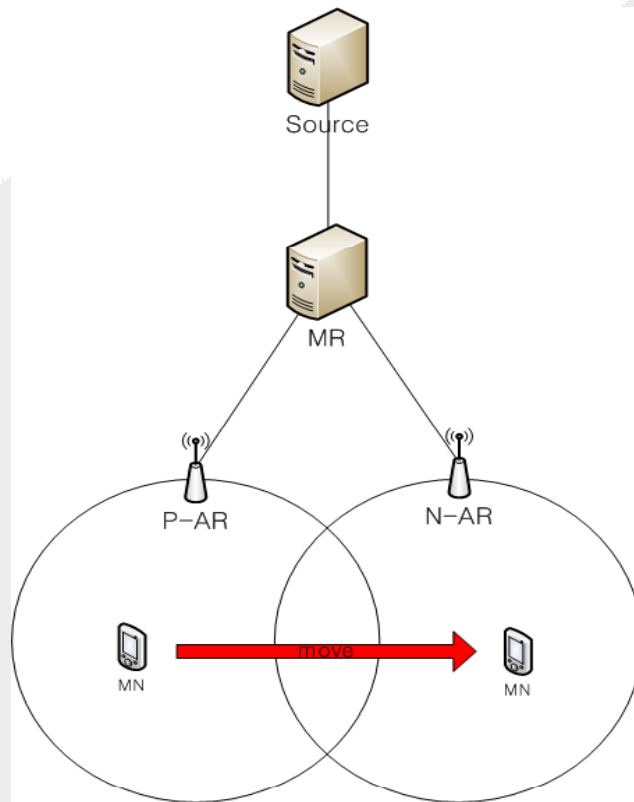


Mobile Multicasting

- Mobile Multicasting for mobile IPTV
 - Survey on Mobile Multicast Research Works
 - PMIP-based Mobile Multicasting for Real-time IPTV
 - Fast Handover in Mobile Multicasting

Current Research Area

- Fast Handover in Mobile Multicasting





Thank you !