

Randy Ekl



Distinguished Member of the Technical Staff at Motorola Solutions
Telecommunications

<http://www.directoryinventor.com/profile/view/QmL28Mlf>

Experience

Distinguished Member of the Technical Staff

Motorola Solutions

10,001+ employees; Public Company; Information Technology and Services
2000 - Present

Technology Maturation and Management within the Chief Technology Office of Motorola Solutions, covering Public Safety, Enterprise, and other markets. Technologies include LTE systems, Ad Hoc systems, WLAN systems and protocols, TVWS and Cognitive Radio systems, and Quality of Service. Seven (7) technical publications in refereed journals (Security, SmartGrid, WLAN, Computational Number Theory). Eight (8) defensive Intellectual Property technical publications.

Patent Committee Chair

Motorola

Telecommunications
1995 - 2008

Committee Chair of Systems patent committee and Broadband patent committee, including IP strategy and IP asset management consultation. Committee member and reviewer on various patent committees.

Technical and Managerial positions

Motorola

Public Company; Semiconductors
1990 - 2000

Various positions in Technology Maturation, including IP Networks, SDL and tools, and Performance analysis and simulation. Various technical and managerial positions in Product development, including Network Management, Base Stations, and Narrowband Systems.

Education

Rose-Hulman Institute of Technology

EE, CS, Math
1979 - 1983

University of Illinois at Chicago
EE, CS

Patents (32)

Method and apparatus for root node selection in an ad hoc network (3 worldwide citation)

Randy L Ekl, Mark J Johnson, Anthony R Metke, Aparna Pandey, Joseph E Phillips, Christopher G Ware
January 25, 2011: 07876706

Method for intelligent merging of ad hoc network partitions (4 worldwide citation)

Anthony R Metke, Randy L Ekl
September 7, 2010: 07792050

Method and system for ensuring authorized operation of a communication system as a secondary user

Randy L Ekl, Anthony R Metke, Bruce D Oberlies
September 2, 2010: 20100223659-A1

Method and system for incentive-based ad hoc networking (7 worldwide citation)

Surender Kumar, Mark A Birchler, Randy L Ekl, Thomas C Hill, Michael D Kotzin, Whay Chiou Lee, Peggy K Matson, Peter J Stanforth
August 31, 2010: 07788387

Method for performing neighbor discovery in a multi-tier WLAN (11 worldwide citation)

Aparna Pandey, Randy L Ekl, Christopher G Ware
April 27, 2010: 07706337

Method and apparatus for omniscient root node selection in an ad hoc network (6 worldwide citation)

Randy L Ekl, Mark J Johnson, Anthony R Metke, Aparna Pandey, Joseph E Phillips, Christopher G Ware
April 13, 2010: 07697456

Self-learning geographically aware handoff method and system (12 worldwide citation)

Anthony R Metke, Randy L Ekl
April 13, 2010: 07697479

Method and apparatus for density determination in a wireless communication network

Randy L Ekl, Mark A Birchler, Isam R Makhoulouf
December 3, 2009: 20090296674-A1

System and method for communicating beacon transmissions in wireless local area network (WLAN) systems (3 worldwide citation)

Aparna Pandey, Randy L Ekl, Christopher G Ware
November 10, 2009: 07616617

Utilization of cognitive radios with mobile virtual private network (mvpn) solutions

George Popovich, Randy L Ekl
November 5, 2009: 20090275286-A1

[View all \(32\)](#)