

## Randy Ekl



Distinguished Member of the Technical Staff at Motorola Solutions  
Telecommunications

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

## Experience

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### 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.

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### 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.

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### 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.

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## Education

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### Rose-Hulman Institute of Technology

EE, CS, Math  
1979 - 1983

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University of Illinois at Chicago  
EE, CS

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## Patents (32)

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### [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

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### [Method for intelligent merging of ad hoc network partitions \(4 worldwide citation\)](#)

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

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### [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

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### [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

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### [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

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### [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

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### [Self-learning geographically aware handoff method and system \(12 worldwide citation\)](#)

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

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### [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

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### [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

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### [Utilization of cognitive radios with mobile virtual private network \(mvpn\) solutions](#)

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

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