

MEHMET HADI GUNES

Assistant Professor, Computer Science and Engineering
University of Nevada, Reno, 1664 N Virginia St. MS 171Reno, NV 89557
(775) 784 - 4313 • <http://cse.unr.edu/~mgunes> • mgunes@cse.unr.edu

EDUCATION

Ph.D. in Computer Science August 2008 (*best dissertation award*)
The University of Texas at Dallas, Richardson, TX
PhD Thesis: Complex Network Discovery: Router-level Internet Topology Mapping
Advisor: Dr. Kamil Sarac

M.S., Computer Science and Engineering May 2004
Southern Methodist University, Dallas, TX
MS Thesis: Low Space Complexity Path Delay Fault Coverage Algorithms
Advisor: Dr. Fatih Kocan

B.S., Computer Science & Engineering July 2002 (*best in class*)
Isik University, Istanbul, Turkey
BS Project: Performance Evaluation of Mobile Agent Systems

B.S., Electronics Engineering July 2002 (*best in class*)
Isik University, Istanbul, Turkey
BS Project: Incremental Test Generation Algorithm for Combinational Circuits

APPOINTMENTS

8/2008 – Present *Assistant Professor*
University of Nevada, Reno, Reno, NV

1/2005 – 8/2008 *Teaching Assistant*
The University of Texas at Dallas, Richardson, TX

8/2002 – 12/2004 *Research Assistant*
Southern Methodist University, Dallas, TX

9/1999 – 7/2002 *Lab Assistant*
Isik University, Istanbul, Turkey

6/2001 – 7/2001 *Intern*
IBM-Turk, Istanbul, Turkey

7/2000 – 8/2000 *Intern*
Information Technologies Research Inst. (TUBITAK), Istanbul, Turkey

FUNDING

1. **Nets: Small: Mapping Internet Backbone as an Underlay for Improved Communications**

Sponsor : National Science Foundation
Budget : \$319,999 (1 mo/yr) *Date*: 2013-2015
Role : single-PI

2. **NeTS: Small: Online Management, Experimentation, and GAME (OMEGA) of Large-Scale Networks**

Sponsor : National Science Foundation
Budget : \$200,000 (0.25 mo/yr) *Date*: 2013-2015
Role : co-PI (PI: Dr. Murat Yuksel)

3. **The Solar Energy-Water-Environment Nexus in Nevada**

Sponsor : National Science Foundation
Collaborator : DRI, UNLV (UNR portion: \$6,800,000)
Budget : \$23,000,000 (0.66 mo/yr) *Date*: 2013-2018
Role : Senior personnel (PI: Dr. Gayle L. Dana)

4. **Enhancing the Networking Lab with Raspberry Pis**

Sponsor : College of Engineering Differential Fee Award, University of Nevada, Reno
Budget : \$7,500 *Date*: 2013
Role : PI

5. **Donald & Lempi Reed Graduate Student Assistantship** (student: Esra Erdin)

Sponsor : College of Engineering, University of Nevada, Reno
Budget : \$8,333 *Date*: 2012
Role : Advisor

6. **Forensic and Investigative tools and technologies to investigate criminal use of Internet Anonymizers**

Sponsor : National Institute of Justice
Collaborator : Vere Software (UNR portion: \$107,792)
Budget : \$179,214 (1 mo/yr) *Date*: 2010-2012
Role : PI (co-PI: Dr. George Bebis)

7. **Deploying a Reconfigurable Network Lab**

Sponsor : Technology Fee Award, University of Nevada, Reno
Budget : \$56,828 *Date*: 2009
Role : PI (co-PI: Dr. Kostas Bekris)

Journals

1. Hakan Kardes and **Mehmet Hadi Gunes** "*Structural Graph Indexing for Mining Large Scale Networks*", Springer Social Network Analysis and Mining (SNAM) (*under revision)
2. Hakan Kardes, Abdullah Sevincer, **Mehmet Hadi Gunes** and Murat Yuksel, "*Complex Network Analysis of Research Funding: A Case Study of NSF Grants*", Springer Social Network Analysis and Mining (SNAM) (to appear)
3. BingDong Li, Esra Erdin, **Mehmet Hadi Gunes**, George Bebis, and Todd Shipley, "*An Overview of Anonymity Technology Usage*", Elsevier Computer Communications (ComCom), 36(12): 1269-1283, 2013
4. BingDong Li, Jeff Springer, George Bebis, and **Mehmet Hadi Gunes**, "*A Survey of Network Flow Applications*", Elsevier Journal of Network and Computer Applications (JNCA), 36(2):567-581, 2013
5. Engin Arslan, Murat Yuksel, and **Mehmet Hadi Gunes**, "Network Management Game", ACM Computer Communications Review (CCR), 43(1):46-50, January 2013 (*editorial)
6. David M. Ryfe, Donica Mensing, Hayreddin Ceker, and **Mehmet Gunes**, "*Popularity Is Not The Same Thing as Influence: A Study of the Bay Area News System*", Journal of the International Symposium of Online Journalism (#ISOJ) 2(2), Fall 2012
7. David Shelley and **Mehmet Hadi Gunes**, "*GerbilSphere: Inner Sphere Network Visualization*", Elsevier Computer Networks (ComNet) Special Issue on Complex Dynamic Networks, 56(3): 1016-1028, February 2012
8. **Mehmet Hadi Gunes**, and Kamil Sarac, "*Resolving IP Aliases in Building Traceroute-Based Internet Maps*", IEEE/ACM Transactions on Networking (ToN), 17(16):1738-1751, Dec 2009.
9. Kakajan Komurov, **Mehmet Hadi Gunes**, and Michael A. White, "*Fine-scale dissection of functional protein network organization by statistical network analysis*", PLoS ONE 4(6), June 2009
10. **Mehmet Hadi Gunes**, Sevcan Bilir, Kamil Sarac, and Turgay Korkmaz, "*A Measurement Study on Overhead Distribution of Value-Added Internet Services*", Elsevier Computer Networks (ComNet), 51(14):4153-4173, Oct 2007
11. Fatih Kocan and **Mehmet Hadi Gunes**, "*On the ZBDD-based Path Delay Fault Coverage Calculation*", IEEE Transactions on CAD, 24(7):1137-1143, July 2005
12. Fatih Kocan, **Mehmet Hadi Gunes**, and Atakan Kurt, "*On-line Pruning of ZBDD for Path Delay Fault Coverage Calculation*", IEICE Transactions on Information and Systems, E88-D(7):1381-1388, July 2005

Book Chapters

1. Andrew Dittrich, **Mehmet Gunes** and Sergiu Dascalu, "*Network Analysis of Software Repositories: Identifying Subject Matter Experts*", Studies in Computational Intelligence: Complex Networks 424:187-198, 2013
(also presented at 3rd Workshop on Complex Networks (CompleNet), Melbourne, FL, Mar 7-9, 2012 Acceptance rate ~25%)
2. Daniel Ramos, **Mehmet Gunes**, Donica Mensing and David M. Ryfe, "*Mapping Emerging News Networks: A Case Study of the San Francisco Bay Area*", Studies in Computational Intelligence: Complex Networks 424:237-244, 2013
(also presented at 3rd Workshop on Complex Networks (CompleNet), Melbourne, FL, Mar 7-9, 2012)
3. Christopher Zachor and **Mehmet Gunes**, "*Software Collaboration Networks*", Studies in Computational Intelligence: Complex Networks 424:257-264, 2013
(also presented 3rd Workshop on Complex Networks (CompleNet), Melbourne, FL, Mar 7-9, 2012)
4. BingDong Li, Esra Erdin, **Mehmet Hadi Gunes**, George Bebis and Todd Shipley, "*An Analysis of Anonymizer Technology Usage*", Lecture Notes in Computer Science: Traffic Monitoring and Analysis 6613:108-121, 2011
(also presented 3rd COST International Workshop on Traffic Monitoring and Analysis (TMA), Vienna, Austria, April 27, 2011- Acceptance rate 34.4%)
5. **Mehmet Hadi Gunes** and Kamil Sarac, "*Analyzing Router Responsiveness to Measurement Probes*", Lecture Notes in Computer Science: Passive and Active Network Measurement 5448:23-32, 2009
(also presented at Passive and Active Measurement Conference (PAM), Seoul, South Korea, April 1-3 2009 - Acceptance rate 28.6%)
6. **Mehmet Hadi Gunes**, Nicolas S. Nielsen, and Kamil Sarac, "*Impact of Alias Resolution on Traceroute-Based Sample Network Topologies*", Lecture Notes in Computer Science: Passive and Active Network Measurement 4427:260-267, 2007
(also presented at Passive and Active Measurement Conference (PAM), Louvain-la-neuve, Belgium, 5-6 April 2007 - Acceptance rate ~33%)

Peer Reviewed Conference/Workshop Proceedings

1. Suat Mercan, Ufuk Ozkanli, and **Mehmet Hadi Gunes**, "*Analyzing Funding Network in Turkey*", 2nd International Symposium on Computing in Informatics and Mathematics (ISCIM), Tirana, Albania, Sep 26-28, 2013
2. Mehmet Burak Akgun and **Mehmet Hadi Gunes**, "*Impact of Multi-Access Links on the Internet Topology Modeling*", IEEE International Symposium on Modeling, Analysis and Simulation of Computer and Telecommunication Systems (MASCOTS), San Francisco, CA, Aug 14-16, 2013 - Acceptance rate ~35%

3. Andrew Dittrich, Sergiu Dascalu, and **Mehmet Hadi Gunes**, "*ATMOS: A Data Collection and Presentation Toolkit for the Nevada Climate Change Portal*", 8th International Conference on Software Engineering and Applications (ICSOFT-EA), Reykjavik, Iceland, 29-31, July 2013
4. BingDong Li, **Mehmet Hadi Gunes**, George Bebis and Jeff Springer, "*A Supervised Machine Learning Approach to Classify Host Roles Using sFlow*", ACM HPDC Workshop on High Performance and Programmable Networking (HPPN) , New York City, NY, June 18, 2013
5. Mehmet Burak Akgun and **Mehmet Hadi Gunes**, "*Bipartite Internet Topology at the Subnet-level*", IEEE International Workshop on Network Science (NSW), West Point, NY, 29 Apr - 1 May 2013
6. Hakan Kardes, Abdullah Sevincer, **Mehmet Hadi Gunes** and Murat Yuksel, "*Six Degrees of Separation among US Researchers*", IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), Istanbul, Turkey, 26-29 Aug, 2012 – Acceptance rate ~25%
7. Dorothy Cheung and **Mehmet Hadi Gunes**, "*A Complex Network Analysis of the United States Air Transportation*", IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), Istanbul, Turkey, Aug 26-29, 2012
8. Tony Morelli and **Mehmet Hadi Gunes**, "*Video Game Industry as a Complex Network*", 2nd Workshop on Social Network Analysis in Applications (SNAA 2012), Istanbul, Turkey, 26 Aug, 2012
9. Hasan Tarik Karaoglu, Mehmet Burak Akgun, **Mehmet Hadi Gunes**, and Murat Yuksel, "*Multi Path Considerations for Anonymized Routing: Challenges and Opportunities*", IFIP International Conference on New Technologies, Mobility and Security, Istanbul (NTMS), Turkey, May 7-10, 2012
10. Hakan Kardes, Talha Oz, and **Mehmet Hadi Gunes**, "*Cheleby: A Subnet-level Internet Topology Mapping System*", 4th International Conference on COMMunication Systems and NETWORKS (COMSNETS), Bangalore, India, Jan 3-7, 2012 – Acceptance rate 27.9%
11. Engin Arslan, **Mehmet Hadi Gunes**, and Murat Yuksel, "*Analysis of Academic Ties: A Case Study of Mathematics Genealogy*", IEEE Globecom Workshop on Complex and Communication Networks, Houston, TX, Dec 9, 2011
12. Engin Arslan, Murat Yuksel, and **Mehmet Hadi Gunes**, "*Network Management Game*", IEEE International Workshop on Local and Metropolitan Area Networks (LANMAN) 2011, Chapel Hill, NC, Oct 13-14, 2011
13. Jeffrey Naruchitparames and **Mehmet Hadi Gunes**, "*Enhancing Data Privacy and Integrity in the Cloud*", International Workshop on Security and Performance in Cloud Computing (SPCLOUD), Istanbul, Turkey, July 4-8, 2011
14. Mehmet Burak Akgun and **Mehmet Hadi Gunes**, "*Link-level Network Topology Generation*", ICDCS Workshop on Simplifying Complex Networks for Practitioners (Simplex), Minneapolis, MN, June 24, 2011
15. Hasan T. Karaoglu, Murat Yuksel, **Mehmet Hadi Gunes**, "*On the Scalability of Path Exploration Using Opportunistic Path-Vector Routing*", IEEE International Conference on

- Communications (ICC): Next Generation Networking and Internet Symposium, Kyoto, Japan, June 5-9, 2011 – Acceptance rate 38.5%
16. Jeffrey Naruchitparames, **Mehmet Hadi Gunes** and Sushil Louis, "Link Prediction in Social Networks", IEEE Congress on Evolutionary Computation (CEC), New Orleans, June 5-8, 2011
 17. Jeff Naruchitparames, **Mehmet Hadi Gunes** and Cansin Y. Evrenosoglu, "*Secure Communications in the Smart Grid*", IEEE Consumer Communications & Networking Conference Session on Smart Grids (CCNC), Las Vegas, NV, January 09-12, 2011 – Acceptance rate 31.1%
 18. Hema Andal Jayaprakash Narayanan and **Mehmet Hadi Gunes**, "*Ensuring Access Control in Cloud Provisioned Healthcare Systems*", IEEE International Workshop on Consumer eHealth Platforms, Services and Applications (CeHPSA), Las Vegas, NV, January 8, 2011
 19. Murat Yuksel, Kostas Bekris, Cansin Y. Evrenosoglu, **Mehmet Hadi Gunes**, Sami Fadali, Mehdi Etezadi-Amoli, and Frederick C. Harris, "*Open Cyber-Architecture for Electrical Energy Markets*", Proceedings of IEEE Workshop on Smart Grid Networking Infrastructure (SGNI), Denver, CO, October 2010
 20. Adrienne E. Breland, Karen A. Schlauch, **Mehmet Hadi Gunes**, and Frederick C. Harris, "*Fast Graph Approaches to Measure Influenza Transmission Across Geographically Distributed Host Types*", IEEE BIBM International Workshop on Graph Theoretic Approaches for Biological Network Analysis (IWBNA), Niagara Falls, August 2-4, 2010
 21. Hakan Kardes and **Mehmet Hadi Gunes**, "*Structural Graph Indexing for Mining Complex Networks*", ICDCS Workshop on Simplifying Complex Networks (Simplex), Genoa, Italy, 21 June 2010
 22. Adrienne E Breland, **Mehmet Hadi Gunes**, Karen A Schlauch and Frederick C. Harris, "*Mixing Patterns in a Global Influenza A Virus Network using Whole Genome Comparisons*", IEEE Symposium on Computational Intelligence in Bioinformatics and Computational Biology (CIBCB), Montreal, Canada, May 2-5, 2010
 23. **Mehmet Hadi Gunes** and Cansin Y. Evrenosoglu, "*Blind Processing: Securing Data against System Administrators*", IFIP/IEEE International Workshop on Management of Smart Grids (NOMS), Osaka, Japan, April 23, 2010 – Acceptance rate 26.9%
 24. **Mehmet Hadi Gunes** and Kamil Sarac, "*Resolving Anonymous Routers in Internet Topology Measurement Studies*", IEEE INFOCOM, Phoenix, AZ, USA, April 15-17 2008 – Acceptance rate 20.3%
 25. **Mehmet Hadi Gunes** and Kamil Sarac, "*Inferring Subnets in Router-level Topology Collection Studies*", ACM SIGCOMM Internet Measurement Conference (IMC), San Diego, CA, USA, October 24-26 2007 – Acceptance rate 24.4%
 26. **Mehmet Hadi Gunes** and Kamil Sarac, "*Importance of IP Alias Resolution in Sampling Internet Topologies*", IEEE Global Internet (GI), Anchorage, AK, USA, May 11 - 12 2007 – Acceptance rate 36.7%

27. **Mehmet Hadi Gunes**, and Kamil Sarac, "*Analytical IP Alias Resolution*", IEEE International Conference on Communications (ICC), Istanbul, TURKEY, 11-15 June 2006 – Acceptance rate 39%
28. **Mehmet Hadi Gunes**, Mitchell Thornton, Fatih Kocan, and Stephen Szygenda, "*A Survey and Comparison of Digital Logic Simulators*", IEEE International Midwest Symposium on Circuits and Systems (MWSCAS), Cincinnati, OH, USA, August 7-10, 2005
29. Fatih Kocan, **Mehmet Hadi Gunes**, "*Acyclic Circuit Partitioning for Path Delay Fault Emulation*", The 3rd ACS/IEEE International Conference on Computer Systems and Applications (AICCSA-05) Cairo, EGYPT, January 3-6, 2005
30. Fatih Kocan, **Mehmet Hadi Gunes**, and Mitchell Thornton, "*Static Variable Ordering in ZBDDs for Path Delay Fault Coverage Calculation*", IEEE International Midwest Symposium on Circuits and Systems (MWSCAS), Hiroshima, JAPAN, July 25-28, 2004
31. Erdem Tursem, **Mehmet Hadi Gunes**, Mustafa Yildiz, Selahattin Kuru, "*Performance Analysis of Mobile Agents Using Simulation*", Proceedings of the Advanced Engineering Design Conference (AED2003), Prague, CZECH REPUBLIC, 2003

Other Publications/Presentations

1. **Mehmet Hadi Gunes**, "*Finding Cyber Criminals behind Anonymizer Technologies*", International Symposium on Digital Forensics and Security, Elazig, Turkey, May 20-21, 2013. (keynote)
2. **Mehmet Hadi Gunes**, "*Cheleby Internet Topology Mapping System*", ISMA 2013 AIMS-5 - Workshop on Active Internet Measurements, La Jolla, CA, February 6-8, 2013. (abstract review)
3. BingDong Li, Jeff Springer, **Mehmet Hadi Gunes**, and George Bebis, "*A Distributed Real Time Network Security System*", FloCon , Albuquerque, NN, January 7-10, 2013. (abstract review)
4. **Mehmet Gunes**, "*The forecast: Safer clouds*" Nevada Engineering Magazine, Winter 2012.
5. Donica Mensing, David Ryfe, and **Mehmet Gunes**, "*Mapping the news network of the San Francisco Bay Area*", Journalism Interactive Conference, College Park, MD, 28-29 October 2011. (abstract review)
6. Hakan Kardes, Talha Oz, and **Mehmet Hadi Gunes**, "*Cheleby: An Internet Topology Mapping System*", ISMA 2011 AIMS-3 - Workshop on Active Internet Measurements, La Jolla, CA, 9-11 February 2011. (abstract review)
7. Mehmet B Akgun and **Mehmet Hadi Gunes**, "*Subnet-based Internet Topology Generation*", ISMA 2011 AIMS-3 - Workshop on Active Internet Measurements, La Jolla, CA, 9-11 February 2011. (abstract review)
8. **Mehmet Gunes**, "Cloud Computing: Potential to change IT in exciting ways" Nevada Engineering Magazine, Winter 2011.

9. Talha Oz, Hakan Kardes, and **Mehmet Hadi Gunes**, "*Cheleby: Subnet-level Internet Mapper*", ISMA 2010 AIMS-2 - Workshop on Active Internet Measurements, La Jolla, CA, 8-10 February 2010. (abstract review)
10. Hakan Kardes and **Mehmet Hadi Gunes**, "*Structural Graph Indexing for Mining Complex Networks*", NetSci 2010, The International School And Conference On Network Science, Boston, MA, 10-14 May 2010. (poster)
11. Hakan Kardes and **Mehmet Hadi Gunes**, "*A recursive graph mining approach for large scale networks*", Tri State 2010, Incline Village, NV, 6-8 April 2010. (poster)
12. **Mehmet Hadi Gunes**, "*iToM: Internet Topology Mapper*", DatCat Community Contribution (DCC 1) Workshop, La Jolla, CA, March 12-14, 2007. (invited)
13. **Mehmet Hadi Gunes**, "*Complex Network Discovery: Router-level Internet Topology Mapping*", PhD dissertation, Department of Computer Science, University of Texas at Dallas, Aug 2008. (best dissertation award)
14. **Mehmet Hadi Gunes**, "*Low Space Complexity Path Delay Fault Coverage Algorithms*", MS Thesis, Department of Computer Science and Engineering, Southern Methodist University, May 2004.

TEACHING

University of Nevada, Reno

- CPE 400/600 *Computer Communication Networks*
 Fall 2008, Fall 2011, Fall 2012, Fall 2013
<http://www.cse.unr.edu/~mgunes/cpe400/>
- CPE 401/601 *Computer Network Systems*
 Spring 2009, Spring 2010, Spring 2011, Spring 2012
<http://www.cse.unr.edu/~mgunes/cpe401/>
- CS 302 *Data Structures*
 Fall 2012, Spring 2013
<http://www.cse.unr.edu/~mgunes/cs302/>
- CS 446/646 *Principles of Operating Systems*
 Spring 2009
<http://www.cse.unr.edu/~mgunes/cs446/>
- CS 450/650 *Fundamentals of Integrated Computer Security*
 Spring 2010, Spring 2011, Spring 2012, Fall 2013
<http://www.cse.unr.edu/~mgunes/cs450/>

- CS 765 *Complex Networks*
 Fall 2011, Spring 2013
<http://www.cse.unr.edu/~mgunes/cs765/>
- CS 790g *Seminar: Complex Networks*
 Fall 2009, Fall 2010
<http://www.cse.unr.edu/~mgunes/cs790g/>

University of Texas at Dallas – Teaching Assistant

- | | |
|------------------------------------|-----------------------|
| Advanced Computer Networks | (Graduate-level) |
| Computer Networks | (Undergraduate-level) |
| Introduction to Digital Systems | (Undergraduate-level) |
| Discrete Mathematics for Computing | (Undergraduate-level) |
| Programming Fundamentals | (Undergraduate-level) |

Southern Methodist University – Teaching Assistant

- Algorithm Engineering
 Internetworking Protocols and Programming

ACADEMIC ADVISING

Doctoral students (currently mentoring)

- | | |
|--|---------------------------|
| 1. Esra Erdin | Fall 2012 – August 2014 |
| <i>Cloud based Online Social Networking</i> | |
| 2. Mehmet Burak Akgun | Fall 2010 – December 2013 |
| <i>Subnet Oriented Internet Topology Modeling and Generation</i> | |

Doctoral students (graduated)

- | | |
|---|---------------|
| 1. BingDong Li | August 2013 |
| <i>A Distributed Real Time Network Security Analysis System</i> | |
| co-advised with Dr. George Bebis | |
| 2. Hakan Kardes | December 2012 |
| <i>A Graph Theoretic Perspective on Internet Topology Mapping</i> | |
| Best dissertation of CSE award | |

MS students (currently mentoring)

1. Ibrahim Ethem Coskun Fall 2013 – ...

MS students (graduated)

1. Hayreddin Ceker August 2013
Secure Communication in the Smart Grid
2. Christopher Zachor May 2012
An Assessment of Current Attacks on Anonymous Networks
co-advised with Dr. George Bebis
3. Esra Erdin May 2012
Anonymous Communication Systems: Usage Analysis and Attack Mechanisms
co-advised with Dr. George Bebis
4. Guoxun Tian May 2012
Complex Network Analysis of Ozone Transport
5. Engin Arslan August 2011
Network Management Game
co-advised with Dr. Murat Yuksel
6. Jeffrey Naruchitparames May 2011
Enhancing the Privacy of Data Communications within Information-Sensitive Systems
7. Hema Andal Jayaprakash Narayanan December 2010
Ensuring Access Control in Cloud Provisioned Healthcare Systems
8. Hakan Kardes December 2010
Graph Data Mining to Construct Sampled Internet Topology Maps
9. David Shelley December 2010
Interactive Internet Visualization from the Inside of a Sphere
10. Talha Oz December 2010
Cheleby: Internet Topology Collection System

Undergraduate Research Supervision (currently mentoring)

1. James Bridegum
2. Eric Klukovich
3. Matt Radford

Undergraduate Research Supervision (graduated)

1. Adam Pribyl
2. Joseph Markman
3. Christopher Stowe

Visiting Scholars/Researchers

1. Bei Chen, Southwest University of Finance and Economics, China, 2013
2. Burak Coskun, Bosporus University, Turkey, 2013
3. Orhan Burak Bozan, Bosporus University, Turkey, 2012

Dissertation Committee Member

1. Mustafa O Kilavuz (chair: Dr. Murat Yuksel)
2. Satish Kumar Bedapelli (chair: Dr. Murat Yuksel)
3. Abdullah Sevincer (chair: Dr. Murat Yuksel; defended on December 2012)
4. Hasan Tarik Karaoglu (chair: Dr. Murat Yuksel; defended on August 2012)
5. Sohei Okamoto (chair: Dr. Sergiu Dascalu; defended on Dec 2011)
6. Muhanna Muhanna (chair: Dr. Sergiu Dascalu; defended on Aug 2011)
7. Bilal Gonen (chair: Dr. Murat Yuksel; defended on Aug 2011)
8. Suat Mercan (chair: Dr. Murat Yuksel; defended on Aug 2011)
9. Adrienne E. Breland (chairs: Dr. Frederick C. Harris and Dr. Karen A. Schlauch; defended on Mar 2011)
10. Mehmet Bilgi (chair: Dr. Murat Yuksel; defended on Dec 2010)

Thesis Committee Member

1. Josh Hegie (chair: Dr. Frederick C. Harris)
2. Arun Karnati (chair: Dr. Murat Yuksel; presented on December 2012)
3. Andrew Dittrich (chair: Dr. Sergiu Dascalu; defended on December 2012)
4. Akilan Velmurugan (chair: Dr. Murat Yuksel; defended on Dec 2011)
5. Anusha Uppaluri (chair: Dr. Murat Yuksel; defended on Dec 2011)
6. Katharine Thomas (chair: Dr. Donica Mensing; presented on November 2011)
7. Colin J.R. King (chair: Dr. Sergiu Dascalus; defended on December 2010)
8. Abdullah Sevincer (chair: Dr. Murat Yuksel; defended on August 2010)
9. Hasan Tarik Karaoglu (chair: Dr. Murat Yuksel; defended on December 2009)

SERVICE

Panel

1. NSF Cyber Physical Systems 2013
2. NSF GRFP Computer Science and Engineering 2011, 2013
3. NSF GRFP Microbiology & Cell Biology 2010
4. NSF EPSCOR Nevada UROP 2010

Conference Keynote

1. International Symposium on Digital Forensics and Security, Elazig, Turkey, May 20-21, 2013
Finding Cyber Criminals behind Anonymizer Technologies

Publication Chair

1. IEEE International Workshop on Local and Metropolitan Area Networks (LANMAN) 2013
2. IEEE International Conference on Network Protocols (ICNP) 2010

Conference Session Chair

1. IEEE MASCOTS 2013
2. IEEE/ACM ASONAM SNA 2012
3. HPCS Demo Session 2011
4. IEEE INFOCOM 2010

Conference Program Committee

1. 5th Workshop on Complex Networks (CompleNet) 2014
2. Traffic Monitoring and Analysis Workshop (TMA) 2012, 2013, 2014
3. IEEE LCN Workshop on Network Measurements (WNM) 2011, 2013
4. IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM) 2013
5. IEEE International Conference on Networking, Architecture, and Storage (NAS) 2012, 2013
6. IEEE GlobeCom Communications QoS, Reliability and Modeling Symposium 2012, 2013
7. International Conference on Computer Communication Networks (ICCCN) 2010, 2012, 2013
8. ACM/IEEE/IFAC/TRB International Conference on Connected Vehicles & Expo (ICCVE) 2012
9. Passive and Active Measurement Conference (PAM) 2011

10. IEEE INFOCOM 2011
11. IEEE International Conference on Network Protocols (ICNP) 2010
12. IEEE International Conference on Computer Communication Networks (ICCCN) 2010
13. International Conference on Data Communication NETWORKING (DCNET) 2010
14. IEEE LCN Workshop on Smart Grid Networking Infrastructure (SGNI) 2010
15. IEEE INFOCOM Work in Progress 2010

Paper Review

1. IEEE/ACM Transactions on Networking
2. ACM SIGCOMM Computer Communication Review
3. Elsevier Computer Networks
4. Elsevier Computer Communications
5. Elsevier Journal of Network and Computer Applications
6. Springer Social Network Analysis and Mining
7. Performance Analysis of Computer Networks (Book)
8. Security in Computing and Networking Systems (Book)
9. IEEE International Conference on Network Protocols 2013
10. IEEE Wireless Communications & Networking Conference 2011
11. EuroVis 2011
12. IEEE INFOCOM 2010/2009/2006
13. IEEE International Conference on Communications 2010/2008
14. IEEE LCN 2010
15. ACM Internet Measurement Conference 2008
16. IEEE CAMAD 2008

University of Nevada, Reno

- Graduate Student Awards Week Committee (2013)
- College Course and Curriculum Committee (2013 – present)
- College of Engineering Retention Team (2010 - 2013)
- CSE Hiring Committee (2013 – present)
- CSE Web Committee (2013 – present)
- CSE Colloquium Chair (2009 - present)
- CSE Undergraduate Curriculum Committee (2008 - present)

- CSE Facilities Committee (2008 - 2010)
- CSE Graduate Curriculum Committee (2008 - 2009)

IEEE

- Northern Nevada Section Secretary

Member

- ACM
 - Special Interest Group on Data Communications
 - Special Interest Group on Performance Evaluation
 - Special Interest Group on Computer Science Education
- IEEE
 - Computer Society
 - Communications Society

AWARDS AND HONORS

- *Best Dissertation award* from Computer Science Department at University of Texas at Dallas.
- *Student Travel Grant*, IEEE IMC 2007, San Diego, CA.
- *Student Travel Grant*, IEEE ICNP 2006, Santa Barbara, CA.
- *CSE departmental Scholarship* at Southern Methodist University, Dallas, TX, 2003-2004.
- *Graduated as top rank* from Computer Science & Engineering Department at Isik University.
- *Graduated as top rank* from Electronics Engineering Department at Isik University.

OUTREACH

- Member of Board of Trustees, Coral Academy of Science, Reno, NV (2008 - present)
- **Consultant:** Ankagroup companies, Turkey (2013-present)
- **Judge:** INTEL International Science and Engineering Fair (Reno, Nevada, May 10-16 2009)
- **Nevada Bound:** Lab tours and presentations to K-12 students visiting the UNR campus
- **Boys and Girls Club:** Lab tours and presentations to K-12 students visiting the UNR campus