Evening Schedule

6:00pm Social Time

7:00pm Welcome
Dr. Ken Ball, Dean,
Volgenau School of Engineering

7:10pm Dinner

8:00pm Presentation of Awards
Dr. Sanjeev Setia, Chair
Department of Computer Science

Doctor of Philosophy

Computer Science

Samuel J. Blasiak
Dissertation Title: Latent Variable Models of Sequence Data for Classification and Discovery
Dissertation Chair: Huzefa Rangwala, PhD

Mark Coletti
Dissertation Title: An Analysis of a Model-Based Evolutionary Algorithm: Learnable Evolution Model
Dissertation Chair: Kenneth A. De Jong, PhD

David D. DeBarr
Dissertation Title: Spam, Phishing, and Fraud Detection Using Random Projections, Adversarial Learning, and Semi-Supervised Learning
Dissertation Chair: Harry Wechsler, PhD

Naeem Esfahani*
Dissertation Title: Management of Uncertainty in Self-Adaptive Software
Dissertation Chair: Sam Malek, PhD

Quan Jia
Dissertation Title: Mitigating Denial-of-Service Attacks in Contested Network Environments
Dissertation Chair: Angelos Stavrou, PhD

Yanyan Lu
Dissertation Title: Path Planning in Similar Environments
Dissertation Chair: Jyh-Ming Lien, PhD

*Indicates a summer graduation date
Quyen L. Nguyen
Dissertation Title: *Quantitative Framework to Design Services with Intrusion Tolerant QoS*
Dissertation Chair: Arun K. Sood, PhD

Brian S. Olson
Dissertation Title: *Evolving Local Minima in the Protein Energy Surface*
Dissertation Chair: Amarda Shehu, PhD

Zhi Zhang
Dissertation Title: *Scheduling Algorithms Optimizing Throughput and Energy for Networked Systems*
Dissertation Chair: Fei Li, PhD

Mohammad Ababneh
Dissertation Title: *A Dynamic Dialog System Using Semantic Web Technologies*
Dissertation Chair: Duminda Wijesekera, PhD

André B. Abadie
Dissertation Title: *Combining Operational and Spectrum Characteristics to Form a Risk Model for Positive Train Control Communications*
Dissertation Chair: Duminda Wijesekera, PhD

Khalid Albarrak
Dissertation Title: *An Extensible Framework for Generating Ontology from Various Data Models*
Dissertation Chair: Edgar H. Sibley, ScD

Susan M. Farley
Dissertation Title: *Top-k Algorithms for SimQL: A Decision Guidance Query Language Based on Stochastic Simulation*
Dissertation Chair: Alexander Brodsky, PhD

Wendy Jing Jin
Dissertation Title: *Towards Evasive Attacks: Anomaly Detection Resistance Analysis on the Internet*
Dissertation Chair: Jeff Offutt, PhD

Uday Krishna Kamath
Dissertation Title: *An Evolutionary Machine Learning Framework for Big Data Sequence Mining*
Dissertation Chair: Kenneth A. De Jong, PhD
Nan Li
Dissertation Title: *Generating Cost-Effective Criteria-Based Tests from Behavioral Models*
Dissertation Chair: Jeff Offutt, PhD

Murad Mehmet
Dissertation Title: *Money Laundering Evolution Detection, Transaction Scoring, and Prevention Framework*
Dissertation Chair: Duminda Wijesekera, PhD

Chun-Kit Ngan
Dissertation Title: *A Framework and Algorithms for Multivariate Time Series Analytics (MTSA): Learning, Monitoring, and Recommendation*
Dissertation Chair: Alexander Brodsky, PhD

Yun-Sheng Wang
Dissertation Title: *Unsupervised Bayesian Musical Key and Chord Recognition*
Dissertation Chair: Harry Wechsler, PhD

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**Academic Achievement**

**Undergraduate**

**Applied Computer Science**

*Outstanding Academic Achievement*

Peter Schatz

**Computer Science**

*Distinguished Academic Achievement*

Robert Brown
Fritz Reese
Feiran Wang

*Outstanding Academic Achievement*

Sam Gelman
Jonathan Morton
Phu Tran
Hozaifah Zafar
Academic Achievement

Graduate

**Computer Science**
Distinguished Academic Achievement
- Shane Halder
- Craig Knudsen
- Gregory Smith
- Stephanie Sydorno
- Rishabh Taneja

Outstanding Academic Achievement
- Steven P. Clark
- Lisa Huynh
- Christopher M. Parson
- Harnil Rafalia
- Juan S. Saa
- Jeremy S. Smith

**Information Security and Assurance**
Distinguished Academic Achievement
- Hotoon Aldharrab
- Edward Rowland

Outstanding Academic Achievement
- Colin Blair
- Steven Burrows
- Robert Fieldman
- Matthew Fontana
- Adam Grunstra
- Joo Lee
- Taymur Safi
- Aminullah Tora
- Katheryn Urs
- Jeffrey Zamanski

**Information Systems**
Distinguished Academic Achievement
- Srinivas Chepuri
- Natalie Dehen
- Chandrahass Reddy Yeruva

Outstanding Academic Achievement
- Omaima Almatrafi
- Noorpreet Aujla
- Shalini Bavanaka
- Sven Brehmer
- Edwin Carey
- Sadhana Muppavarapu
- Ratna Alekhyia Pyndah
- Stephen Sikorski

**Software Engineering**
Distinguished Academic Achievement
- Brad Campbell
- Athena Caul
- Johnson Hu
- Emily Kaing

Outstanding Academic Achievement
- Alan Bilodeau
- Robert Bunch
- Thomas Eden
- Mahmoud Hammad
- Sean Howell
- Reza Jaber
- Heather Jennings
- Daniel Jordan
- Ronald Manley
- Sunitha Thummala
Student Awards

Excellence in Undergraduate Writing in Computer Science Award
Michael Brooks

Outstanding Undergraduate Student Award
Sam Gelman

Outstanding Graduate Student Award
Samuel Blasiak
Naeem Esfahani

Distinguished Undergraduate Teaching Assistant Award
Fritz Reese
Albert Thompson

Distinguished Graduate Teaching Assistant Award
Sunitha Thummala

Outstanding Undergraduate Teaching Assistant Award
Mike Bowen
Lilas Vankhanh Dinh
Sam Gelman
Bryan Hoyle

Outstanding Graduate Teaching Assistant Award
K.R. Damindra Bandara
Lin Deng
Carolyn Koerner
Li Liu
Azad Naik

Department Awards

Young Faculty Research Award
Damon McCoy

Staff Award
Therese Michael

Outstanding Teaching Award
Sean Luke

Special Recognition Award
Presented by the Administrative Staff of the CS Department
Zoran Duric

Adjunct Faculty Award
Vinod Dubey
Naren Kodali

Service Award
Duminda Wijesekera
Attach Resistant Continuous Network Service Trustworthiness Controller
Anup Ghosh, Yih Huang, Arun Sood
10/28/13

Botmaster Traceback
Xinyuan Wang, Daniel Ramsbrock
4/30/13

Data Alteration Prevention System
David Arsenault, Arun Sood, Yih Huang
4/23/13

Case-based Framework for Collaborative Semantic Search
Larry Kerschberg, Hanjo Jeong, Young Ukk Song, Wooju Kim
2/26/13

Patents
Faculty

Dr. Jan Allbeck  Dr. Larry Kerschberg  Dr. Huzefa Rangwala
Dr. Paul Ammann  Dr. Jana Kosecka  Dr. Dana Richards
Dr. Hakan Aydin  Dr. Fei Li  Dr. Sanjeev Setia, Chair
Dr. Daniel Barbara  Dr. Jyh-Ming Lien  Dr. Amarda Shehu
Dr. Alex Brodsky  Dr. Jessica Lin  Dr. Robert Simon
Dr. Richard Carver  Dr. Sean Luke  Dr. Mark Snyder
Dr. Jim X. Chen  Dr. Sam Malek  Dr. Arun Sood
Dr. Songqing Chen  Tamara Maddox Esq.  Dr. A. Srinivasan
Dr. Ken DeJong  Dr. Damon McCoy  Dr. Angelos Stavrou
Dr. Kinga Dobolyi  Dr. Daniel Menasce  Dr. Gheorghe Tecuci
Dr. Carlotta Domeniconi  Dr. Ami Motro  Dr. Pearl Wang, Associate Chair
Dr. Zoran Duric  Dr. David Nordstrom  Dr. Xinyuan Wang
Dr. Yotam Gingold  Dr. Jeff Offutt  Dr. Harry Wechsler
Dr. Hassan Gomaa,  Prof. John Otten  Dr. Elizabeth White
Dr. Chris Kauffman  Dr. Mark Pullen  Dr. D. Wijesekera

Adjunct Faculty

Dr. Mohammad Abdulla  Fred Geldon Esq.  Dr. Kenneth Nidiffer
Dr. Frank Armour  Dr. Lei He  Dr. Erika Olimpiew
Dr. James Baldo  Dr. Charles Howard  Dr. Robert Pettit
Dr. Ray Curts  Dr. Naren Kodali  Prof. Katherine Russell
Dr. Vinod Dubey  Dr. Greg Kulczycki  Dr. Ken Smith
Prof. William Ellis  Michael Maddox Esq.  Dr. David Wheeler
Dr. Harry Foxwell  Prof. Gregory Martin

Administrative Staff

Anne Hamill  Nooshi Mohebi  Gember Beruk, Student Worker
Ryan Lucas  Michele Pieper  Mouloukou Sylla, Student Worker
Therese Michael
The Department of Computer Science wishes to thank all those who helped make this evening a success

Burke Florist
Chris Vo, Photographer
GMU Events Management
GMU Events Production
GMU Print Services
Special Occasions Catering

We would also like to thank all of you for joining us.

Congratulations again to all of our award recipients.