

# Radu Eduard Vlas, PhD., MBA, MS

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## Home

73 Barrett Street, Apt. 1022  
Northampton, MA 01060

## Office

University of Massachusetts Amherst  
Isenberg Schools of Management  
Operations and Information Management  
121 Presidents Drive, ISOM 352  
Amherst, MA 01003  
Phone: (413) 545-5533

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Cell Phone: (281) 881-9818  
E-Mail: [rvlas@isenberg.umass.edu](mailto:rvlas@isenberg.umass.edu)  
<https://www.isenberg.umass.edu/people/radu-vlas>

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## *Professional Experience*

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September 2018 – Present  
**Lecturer**

University of Massachusetts Amherst  
Amherst, Massachusetts

August 2018 – August 2018  
**Associate Professor**

University of Houston-Clear Lake  
Houston, Texas

August 2012 – July 2018  
**Assistant Professor**

University of Houston-Clear Lake  
Houston, Texas

August 2006 – July 2012  
**Graduate Research Assistant**

Georgia State University  
Atlanta, Georgia

June 2007 – July 2012  
**Graduate Teaching Assistant**

Georgia State University  
Atlanta, Georgia

August 2004 – May 2006  
**Graduate Research and Teaching Assistant**

University of Nebraska  
Omaha, Nebraska

August 2002 – May 2004  
**Associate Instructor**

Indiana University  
Bloomington, Indiana

June 2001 – July 2002  
**Software Engineer**

Santina '96 Comprest SA  
Bucharest, Romania

September 2001 – June 2002  
**Instructor**

Polytechnic University of Bucharest  
Bucharest, Romania

## Education

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Degree	Major	Institution	Date
PhD	Computer Information Systems	Georgia State University Atlanta, Georgia	July 2012
MBA	Business Administration	University of Nebraska Omaha Omaha, Nebraska	May 2006
MS	Computer Science	Indiana University – Bloomington Bloomington, Indiana	May 2004
BS	Electrical Engineering and Computer Science	Polytechnic University of Bucharest Bucharest, Romania	July 2001

## Journal Publications

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- **Vlas, R. E.**, Robinson, W. N., Vlas, C. O. (under 1<sup>st</sup> round of review). "Antecedents of Open Source Popularity – A Six-Factor Model of Contemporary Requirements Practices", *European Journal of Information Systems (EJIS)*
- **Vlas, R. E.**, Vlas, C. O. (2016). "The Role of Internal and Network Constraints on Alliance Ambidexterity Decisions in Technology Intensive Industries", *Asia Pacific Journal of Information Systems (APJIS)*, 26(2), 299-321
- **Vlas, R. E.**, Robinson, W. N. (2012). "Two Rule-Based Natural Language Strategies for Requirements Discovery and Classification in Open-Source Software Development Projects", *Journal of Management Information Systems (JMIS)*, 28(4), 11-38

## Conference Proceedings

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- Vlas, C. O., **Vlas, R. E.**, Masoud, Y. (2019), "To the Captain: Risk It or Rest It? CEO Characteristics and Large Firms' Innovation", *Strategic Management Society Conference (SMS)*, Minneapolis, Minnesota, October 18-22, 2019.
- Vlas, C. O., **Vlas, R. E.**, Garg, G., Liu, A. (2019), "Ambiguity-Based Antecedents of Innovation Velocity: A Congruence Perspective", *Academy of Management (AoM)*, Boston, Massachusetts, August 9-13, 2019.
- Vlas, C. O., **Vlas, R. E.** (2019), "When Institutions Collide: Firms' Innovation in Alliances Under Institutional Relatedness and Knowledge Ambiguity", *Eastern Academy of Management International Conference (EAM-I)*, Dubrovnik, Croatia, June 19-22, 2019.
- Vlas, C. O., **Vlas, R. E.** (2018), "CEO's Personality, Managerial Discretion, and Strategic Change", *Academy of Management (AoM)*, Chicago, Illinois, August 10-14, 2018.
- Vlas, C. O., **Vlas, R. E.** (2018), "TMT Diversity and CEO Regulatory Focus as Determinants of Alliance Portfolio Composition", *Academy of Management (AoM)*, Chicago, Illinois, August 10-14, 2018.
- Arslan, F., **Vlas, R. E.**, (2017), "Contextually Sensitive Privacy Aware E-Commerce Systems", *INFORMS*, Houston, Texas, October 22-25, 2017.
- **Vlas, R. E.**, Robinson, W. N., Vlas, C. O. (2017), "Evolutionary Software Requirements Factors and their Effect on Open Source Project Attractiveness", *Hawaii International Conference on System Sciences (HICSS)*, Kona, Hawaii. January 4-7, 2017. **BEST PAPER AWARD NOMINEE**

- **Vlas, R. E.**, Lee, J. S. (2016), "Principles of Goal Discovery in IT Governance Policy Documents", *Americas Conference on Information Systems (AMCIS)*, San Diego, California, August 11-14, 2016.
- Vlas, C., **Vlas, R. E.** (2015), "The Internal Coexistence of High Velocity Innovation and Diversification: A Moderation Model", *Strategic Management Society Conference (SMS)*, Denver, Colorado, October 3-6, 2015.
- **Vlas, R. E.**, Robinson, W. N. (2015), "Requirements Evolution and Project Success: An Analysis of SourceForge Projects", *Americas Conference on Information Systems (AMCIS)*, Puerto Rico, August 13-15, 2015.
- Vlas, C. O., **Vlas, R. E.**, Huy, N. (2015), "A Theoretical Exploration of Out-Group versus In-Group Perspectives on the Dynamics of Team Effectiveness", *Eastern Academy of Management - International Conference (EAM-I)*, Lima, Peru, June 21-25, 2015.
- Vlas, C. O., **Vlas, R. E.** (2015), "Balancing internal and network constraints in alliance ambidexterity decisions", *Eastern Academy of Management - International Conference (EAM-I)*, Lima, Peru, June 21-25, 2015.
- Vlas, C. O., **Vlas, R. E.** (2014). "Under What Contingencies Can Diversification and High-Velocity Innovation Coexist in Organizations?", *Dual Conference on Innovation and Automation*, Houston, Texas. October 3, 2014.
- **Vlas, R. E.**, Vlas, C. O., Patel, A. (2014). "Automatic Large-Scale Research Framework - A Natural Language Processing Approach", *Dual Conference on Innovation and Automation*, Houston, Texas. October 3, 2014.
- Yang, T.A., **Vlas, R.**, Yang, A., Vlas, C. (2013). "Risk Management in the Era of BYOD: The Quintet of Technology Adoption, Controls, Liabilities, User Perception, and User Behavior," *Social Computing (SocialCom)*, 2013 *International Conference on*, pp.411-416, September 8-14, 2013.
- **Vlas, R. E.**, Robinson, W. N. (2013). "Applying a Rule-Based Natural Language Classifier to Open-Source Requirements: A Demonstration of Theory Exploration", *Hawaii International Conference on System Sciences (HICSS)*, Maui, Hawaii. January 7-10, 2013.
- **Vlas, R. E.**, Vlas, C. O. (2012). "A Multi-Dimensional Analysis of Technological Innovation in the Context of US Social Networking Patents", *Innovation Conference and Workshop on Automation and Robotics (WAR)*, Houston, Texas. October 12, 2012.
- **Vlas, R. E.**, Robinson, W. N. (2011). "A Pattern-Based Method for Requirements Discovery and Classification in Open-Source Software Development Projects", *Hawaii International Conference on System Sciences (HICSS)*, Kauai, Hawaii. January 4-7, 2011. **BEST PAPER AWARD**
- **Vlas, R. E.**, Vlas, C. O. (2011). "A Requirements-Based Analysis of Open-Source Projects", *Americas Conference on Information Systems (AMCIS)*, Detroit, Michigan. August 4-7, 2011.
- **Vlas, R. E.**, Vlas, C. O. (2011). "A Threefold User-Based Software Evaluation Framework", *Midwest United States Association for Information Systems Conference (MWAIS)*, Omaha, Nebraska. May 20-21, 2011
- **Vlas, R. E.** (2011). "A Dichotomous Stakeholder-Centric Software Evaluation Framework", *Southern Association for Information Systems Conference (SAIS)*, Atlanta, Georgia. March 25-26, 2011.
- Mills, J. W., Himebaugh, B., Allred, A., Bulwinkle, D., Deckard, N., Gopalakrishnan, N., Miller, J., Miller, T., Nagai, K., Nakamura, J., Ololoweye, B., **Vlas, R. E.**, Whitener, P., Ye, M., Zhang, C. (2005). "Extended Analog Computers: A Unifying Paradigm for VLSI, Plastic and Colloidal Computing Systems", *IEEE International Symposium on Performance Analysis of Systems and Software (ISPASS05)*, *UCAS-1 Workshop*, Austin, Texas. March 20, 2005. – student authors listed in alphabetical order

## ***Manuscripts under Development***

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- “Principles of goal discovery in IT governance policy documents,” collaboration with Jong Seok Lee (University of Memphis) and Faruk Arslan (University of Houston-Clear Lake), targeted for the Journal of the Association for Information Systems (JAIS).
- “Innovation and knowledge ambiguity in IT alliance partnerships,” collaboration with Cristina Vlas (UT Dallas), targeted for Research Policy.
- “Knowledge Ambiguity and Institutional Relatedness as Factors of Exploratory Alliance Orientation” with Cristina Vlas (University of Texas at Dallas), targeted for Decision Sciences Journal
- “The impact of CEO self-monitoring on new technology-oriented ventures’ performance” collaboration with Cristina Vlas (UT Dallas), targeted for the Journal of Information Technology (JIT).
- “Technology perception and the emotion formation framework in modern society,” collaboration with Lucian Visinescu (Texas State University), targeted for the European Journal of Information Systems (EJIS).
- “Innovation evolution in the context of the US patents in social networking,” collaboration with Cristina Vlas (UT Dallas), targeted for the Information Systems Journal (ISJ).
- “The penguin story – transitive knowledge in social media,” collaboration with Cristina Vlas (UT Dallas) and Lucian Visinescu (Texas State University), targeted for the Journal of the Association for Information Systems (JAIS).
- “The effects of technology firm’s CEO shame-proneness and guilt-proneness on financial misrepresentation,” collaboration with Ayenda Kemp (UT Dallas) and Cristina Vlas (UT Dallas), targeted for Strategic Management Journal (SMJ).
- “SARA: A Text-Mining Automatic Research Framework,” targeted for ACM Transactions on Management Information Systems (ACM TMIS)
- “Risk management in the era of BYOD,” collaboration with Andrew Yang (UHCL), Cristina Vlas (UT Dallas) and Alan Yang (Georgia State University), targeted for the Journal of the Association for Information Systems (JAIS).

## ***Grant Proposals***

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- PI: Radu Vlas – MSP Research Support Fund (2019), \$700, under review
- PI: Hisham Al-Mubaid, Co-PI: Radu Vlas – “Research Experience for Undergraduates in Data Science,” (2017), National Science Foundation (NSF), \$359,995, not awarded.
- PI: William Robinson, Tianjie Deng, Aron Lindberg, Collaborators: Radu Vlas, Kalle Lyytinen, Sean Hansen – “Open Hub: An Extensible Platform for Enabling Generalizable Inquiry into Open Source Software,” (2016), National Science Foundation (NSF), \$1,653,663, not awarded.
- PI: Radu Vlas, Co-PI: None. – “Automatic Workflow for Empirical NLP Research,” (2015) Faculty Research Support Fund (FRSF) Proposal, \$3,200, **awarded** \$3,200.
- PI: Radu Vlas, Co-PI: None. – “Support for the Development and Implementation of an Automatic Natural Language Processing Research Workflow through Process Integration”, (2015), Lekkos Endowment Award, \$5,000, **awarded** \$5,000.
- PI: Radu Vlas, Co-PI: None. – “Automatic Large-Scale Analysis Framework - A Natural Language Processing Approach”, (2014), Faculty Research Support Fund (FRSF) Proposal, \$4,730.10, **awarded** \$4,000.00.

- PI: Toneluh Yang, Co-PI: Vlas, Radu et al. – “A Cyber Security Curricular Development Model Integrated with Faculty Development in Small and Medium-Sized Colleges and Universities”, (2013), NSF-SFS Institutional Support Grant Proposal, \$301,820, not awarded.
- PI: Radu Vlas – “Innovation Evolution and Individual Perception Formation in Social Media - A Natural Language Processing Approach”, (2012), Faculty Research Support Fund (FRSF) Proposal, \$6,000, not awarded.

## ***Presentations***

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- “Evolutionary Software Requirements Factors and their Effect on Open Source Project Attractiveness”, January 7, 2017, Hawaii International Conference on System Sciences, Kona, Hawaii.
- “Principles of Goal Discovery in IT Governance Policy Documents”, August 12, 2016, Americas Conference on Information Systems, San Diego, California.
- “Requirements Engineering in Open-Source Software Development Projects”, October 20, 2015, Georgia State University, Atlanta, Georgia.
- “Requirements Evolution and Project Success: An Analysis of SourceForge Projects”, August 14, 2015, Americas Conference on Information Systems, Puerto Rico.
- “Under What Contingencies Can Diversification and High-Velocity Innovation Coexist in Organizations?”, October 3, 2014, Dual Conference on Innovation and Automation, Houston, Texas.
- “Automatic Large-Scale Research Framework - A Natural Language Processing Approach”, October 3, 2014, Dual Conference on Innovation and Automation, Houston, Texas.
- “Applying a Rule-Based Natural Language Classifier to Open-Source Requirements: A Demonstration of Theory Exploration”, January 9, 2013, Hawaii International Conference on System Sciences, Maui, Hawaii
- “A Multi-Dimensional Analysis of Technological Innovation in the Context of US Social Networking Patents”, October 12, 2012, Innovation Conference and Workshop on Automation and Robotics (WAR), Houston, Texas.
- “Text-Based Analysis of Natural Language Requirements”, November 18, 2011, CIS Research Colloquium Series, Georgia State University, Atlanta, Georgia.
- “A Requirements-Based Analysis of Open-Source Projects”, August 6, 2011, Americas Conference on Information Systems, Detroit, Michigan.
- “A Threefold User-Based Software Evaluation Framework”, May 20, 2011, Midwest United States Association for Information Systems Conference, Omaha, Nebraska.
- “A Dichotomous Stakeholder-Centric Software Evaluation Framework”, March 25, 2011, Southern Association for Information Systems Conference, Atlanta, Georgia.
- “A Rule-Based Natural Language Technique for Requirements Discovery and Classification in Open-Source Software Development Projects”, January 7, 2011, Hawaii International Conference on System Sciences, Kauai, Hawaii.
- “Requirements Engineering Through A Rule-Based Natural Language Processing Approach: An Exploration of the Open-Source Domain”, September 17, 2010, CIS Research Colloquium Series, Georgia State University, Atlanta, Georgia.
- “A Rule-Based Approach to Discovery and Classification of Open-Source Project Requirements”, June 3, 2010, Research Colloquium Invited Guest Speaker, DePaul University, Chicago, Illinois.

## **Teaching**

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### University of Massachusetts Amherst

- OIM 451 – Information and Project Management (2018-2019) – 7 sections (1 online, 5 face-to-face, 1 hybrid)
- OIM 452 – Business Processes and Enterprise Systems (2020) – 2 sections (2 hybrid)
- OIM HI452 – Honors Independent Study - Business Processes and Enterprise Systems (2020) – 1 student
- SCH-MGMT 797Q – Project Management (2018) – 2 sections (1 online, 1 face-to-face)

### University of Houston-Clear Lake

- CINF 3331 – Business Data Communications (2013-2018) – 13 sections (13 face-to-face)
- CINF 4324 – Modern Systems Analysis and Design (2013) – 1 section (1 face-to-face)
- CINF 4389 – Independent Study (2016-2017) – 2 sections
- CINF 5234 – Advanced Systems Analysis and Design (2012-2018) – 12 sections (12 face-to-face)
- CINF 5919 – Independent Study (2015) – 1 section
- CINF/SWEN 5931 – Topics: Information Systems Quality Management (2014) – 1 section (1 face-to-face)
- CINF 5939 – Independent Study (2015-2017) – 5 sections
- ITEC 4342 – IT Project Management (2012-2018) – 9 sections (8 face-to-face, 1 broadcast to Pearland)
- ITEC 4366 – IT Security and Disaster Recovery (2013-2018) – 6 sections (6 face-to-face)
- ITEC 4389 – Independent Study (2013-2014) – 2 sections
- CSCI 5929 – Independent Study (2015) – 1 section
- CSCI 5939 – Independent Study (2015-2017) – 5 sections
- CSCI 6939 – Master's Thesis Research (2016-2018) – 3 students

### Georgia State University

- CIS 3300 – Systems Analysis (2010-2011) – 8 sections (7 online, 1 face-to-face)
- CIS 3001 – Managing IT Projects (2010) – 3 sections (3 online)
- CIS 3270 – Internet Programming with Java (2009) – 1 section (1 face-to-face)
- CIS 2010 – Introduction to Computer-Based Information Systems (2007-2012) – 19 sections (4 online, 15 face-to-face)

### University of Nebraska Omaha

- CIST 2110 – Organizations, Applications, and Technology (2004) – 1 section (1 face-to-face)

### Indiana University – Bloomington

- A110 – Introduction to Computers and Computing (2003-2004) – led the laboratory section 7 sections (7 face-to-face)

### Polytechnic University of Bucharest

- Automatic Interactive Systems (2001-2002) – led the laboratory section – 2 sections (2 face-to-face)

## **Academic Honors**

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- Best Paper Award Nominee at the 2017 Hawaii International Conference on System Sciences (HICSS-50), January 4-7, 2017.
- Recipient of Lekkos Endowment Award in support of research, \$5,000, 2015
- Applied Critical Thinking teaching development workshop completion certificate, University of Houston Clear-Lake, 2014.

- Best Reviewer Award for the ICIS International Research Workshop on Information Technology Project Management (IRWITPM), Shanghai, China, 2011.
- Best Paper Award at the 2011 Hawaii International Conference on System Sciences (HICSS-44), January 4-7, 2011.
- 2011 GTA Teaching Excellence Award, Robinson College of Business, Georgia State University.
- 2010 International Conference on Open-Source Systems Doctoral Consortium, Notre Dame, Indiana. May 30 – June 2, 2010.
- 2009 IEEE International Requirements Engineering Conference Doctoral Symposium, Atlanta, Georgia. August 31 – September 4, 2009.
- 2009 International Conference on Open-Source Systems Doctoral Consortium, Skovde, Sweden. June 3-6, 2009.
- 2009 International Conference on Design Science Research in Information Systems and Technology (DESRIST) Doctoral Consortium, Philadelphia, Pennsylvania. May 6-8, 2009.
- Inducted into Phi Beta Delta Honor Society for International Scholars, 2007.
- Member of the winning team at the “Transformation Management Learning Tool for Sustainable Decision Making” Workshop, Realia Group, University of Nebraska Omaha, 2006.
- Member of the 2<sup>nd</sup> ranking team at the “Transformation Management Learning Tool for Sustainable Decision Making” Workshop, Realia Group, University of Nebraska Omaha, 2005
- Merit scholarship, Polytechnic University of Bucharest, 1999-2001

### ***Service and Professional Activities***

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- Mini-track Co-Chair for AMCIS 2019 mini-track “Innovation Project Management,” Cancun, Mexico, 2019
- Mini-track Co-Chair for AMCIS 2018 mini-track “Innovation Project Management,” New Orleans, LA, 2018
- Editorial Board Member for the Transactions on Electrical and Electronic Research Journal. 2015 - current
- Associate Editor for a track at the International Conference on Information Systems (ICIS) 2016
- Associate Editor for a track at the European Conference on Information Systems (ECIS) 2016
- Organizing Member for the International Research Workshop on IT Project Management (IRWITPM), Fort Worth, Texas, 2015
- Faculty Mentor for the NSF Scholar Program at the University of Houston-Clear Lake, 2015 – current
- Faculty representative in the Faculty Senate at the University of Houston-Clear Lake, 2015 – current
- Faculty representative in the Faculty Life sub-committee of the Faculty Senate at the University of Houston-Clear Lake, 2015 – current
- Faculty representative in the Facilities Support and Services Committee at the University of Houston-Clear Lake, 2016 – current
- Session Chair for the WAR/Innovation Conference, Houston, Texas, 2013
- Organizing Committee Member for the WAR/Innovation Conference, Houston, Texas, 2013

- Faculty Advisor for various Independent Study courses in the CIS, IT and CS programs at University of Houston Clear Lake
- Session Chair for the WAR/Innovation Conference, Houston, Texas, 2012
- Session Chair for the ICIS International Research Workshop on Information Technology Project Management (IRWITPM), Shanghai, China, 2011
- Session Chair for the Americas Conference on Information Systems, Detroit, Michigan, 2011
- Kiva.org lender, 27 loans covering 11 countries, and in total amount of \$975 (donations to support poor and underrepresented people around the world), 2012 – current
- Instructor supervisor for CIS 4970 – Undergraduate Field Study (Internship), (Fall 2011, Spring 2012) – Georgia State University
- Instructor supervisor for CIS 4389 – Advanced Topics in Information Technology, independent study (Summer 2011) – Georgia State University
- Organizing Member, Demos Chair, for the IEEE International Requirements Engineering Conference, Atlanta, Georgia, 2009
- Journal and Conference Reviewing:
  - Journal of Management Information Systems (JMIS)*
  - Requirements Engineering Journal (REJ)*
  - IEEE Software*
  - Journal of Information Technology Theory and Application (JITTA)*
  - International Journal of Information Technology and Decision Making (IJITDM)*
  - International Conference on Information Systems (ICIS)*
  - Americas Conference on Information Systems (AMCIS)*
  - European Conference on Information Systems (ECIS)*
  - Hawai'i International Conference on Systems Sciences (HICSS)*
  - Academy of Management Conference (AOM)*
  - European Academy of Management Conference (EURAM)*
  - International Research Workshop on IT Project Management (IRWITPM)*
  - Southern AIS Conference (SAIS)*
  - Informing Science and IT Education Conference (InSITE)*
- IEEE Galveston Bay Section (IEEE GBS), Member (2013-2014)
- Special Interest Group on Information Technology Project Management (SIG ITPM), Treasurer (2013-Present)
- Special Interest Group on Information Technology Project Management (SIG ITPM), Member (2011-Present)
- Robinson College of Business PhD Fellows, Vice President (2011-Present)
- Robinson College of Business PhD Fellows, Member (2006-2011)
- Association for Information Systems (AIS), Member (2009-Present)
- Association of Computing and Machinery (ACM), Member (2003-2014)
- The Institute of Electrical and Electronics Engineers (IEEE), Member (2003-2014)
- UNO Collegiate Entrepreneurs' Organization (UNOCEO), Member and CTO (2005-2006)
- MBA Association at the University of Nebraska Omaha, Member (2004-2006)