



KOGOD SCHOOL of BUSINESS
AMERICAN UNIVERSITY • WASHINGTON, DC

Curriculum Vitae

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EDUCATION

Doctor of Philosophy in Information Systems, Carnegie Mellon University, Graduate School of Industrial Administration (now the Tepper School of Business), 2002.

Masters of Science in Information Systems, Carnegie Mellon University, Graduate School of Industrial Administration (now the Tepper School of Business), 1999.

Masters of Business Administration, Texas Tech University, 1983.

Bachelor of Science in Mechanical Engineering, Pontificia Universidad Catolica del Peru , 1977.

Additional doctoral studies in Finance, Texas Tech University, 1984.

POSITIONS AND PEDAGOGICAL CONTRIBUTIONS

Full Professor of Information Technology and Analytics, with tenure, Fall 2012 to present.

Visiting Scholar at the School of Science at Aalto University, Otaniemi, Finland, March-August 2016.

Associate Professor of Information Technology, with tenure, Fall 2008 to Fall 2012

Assistant Professor of Information Technology. Fall 2002 to Fall 2008

Curriculum Coordinator, Information Technology and Analytics programs, December 2015 to present.

Chair, Information Technology Department, July 1st 2012 to December 2015.

Kogod Research Professor, 2012 to 2015

UPS Research Professor, 2011 to 2012

UPS Endowed Scholar, 2002 to 2008

Scholarship: over 60 articles, conference proceedings, books and book chapters published with over 3,750 Google Scholar citations.

Fall 2015 to present: Led the architecting, curriculum design and successful launching of an interdisciplinary and **STEM** approved [Masters of Science in Analytics](#), with functional specializations from various departments and schools. Simultaneously, I also architected, designed and collaborated in the launching of a counterpart [Masters in Business Analytics online](#). These two programs have surpassed enrollments expectations with more than 40 students starting in the campus program in the Fall of 2017 (third year) and more than 200 students presently enrolled in the online program. Both MS Analytics programs have a very strong hands-on practical orientation with required practicums working on real analytics problems supervised by current and former senior executives of top consulting firms.

As part of the curriculum design and development for these two analytics programs, I designed, developed and I presently teach two courses in the program: **ITEC 621 Predictive Analytics** and **ITEC 623 Social and Organizational Network Analytics**. In addition, I also architected and co-designed the only undergraduate course on **ITEC 320 Business Analytics**, which is now a required course in the undergraduate curriculum. I also designed and implemented a self-taught workshop course **KSB 999 R Workshop for Business Analytics**, which is now required for all incoming MS Analytics students. This module is used in the two pre-requisite courses to ITEC 621.

Faculty Mentor, Online Course Coordinator. (October 1, 2016 to date). Manage online course ITEC 621 Predictive Analytics, including recruitment and supervision of adjuncts and further course ware updates. Currently, I coordinate an average of 2 sessions per calendar quarter.

2012 to present: Prepared the curriculum and proposal for a **STEM undergraduate major on Information Systems and Analytics (ISA)**, approved by the Kogod School of Business in the Fall of 2015, currently under review by the university, and planned startup in the Fall of 2016. This proposed major shares most of the IT curriculum from the IST concentration discussed below, but contains additional courses from the Mathematics, Statistics and Computer Science departments.

2011-2013: Chaired the Provost's task force on **Big Data, Analytics and Applied Science**, to: identify and develop interdisciplinary programs on big data and analytics across campus; infuse more quantitative and analytics education into existing courses and programs; and create faculty lines associated with data science areas. This project received the approval and support by the [Provost's AU Project 2030](#), a flagship program intended to develop programs and faculty for unique distinctiveness and competitiveness in the year 2030. This AU Project was successfully re-chartered in 2017.

2013-2018: Organized and conducted (with 3 collaborators from American University, George Washington University and private practice) our fourth consecutive annual full-day tutorial on **big data and analytics** at the prestigious Hawaii International Conference on the System

Sciences (**HICSS**), achieving record registrations and attendance for this conference's tutorials (100+) all four years. Simultaneously, we co-chaired the corresponding conference mini-track on big data and analytics. In 2018, we split the workshop into two separate workshops, mine (co-lead) in the morning, covering big data analytics and governance.

2006 to present: Designed and managed the **Information Systems and Technology (IST) undergraduate specialization** and **minor**, and designed and architected the curriculum for the Information Systems and Analytics (ISA) major, resulting in a steady growth of undergraduate enrollments in IT elective course of over 120% since 2006 and (see: <http://auapps.american.edu/~alberto/istconcentration.pdf>). Since we started this specialization, our course offerings and the enrollments in each of those courses has more than doubled. I also designed an IST major (not implemented yet, due to our shifting focus into big data and analytics, so we are revising the curriculum). The new courses added to the curriculum are on various current topics, including: big data, business analytics, business intelligence, cyber security and social media.

2006 to present: Architected, designed and coordinated the course [ITEC 200 Leading Edge of Information Technology](#). This is the only required course in information technology in the BS in Business Administration at Kogod, and the curriculum is now used consistently across all sections of the course.

2004-present: Pioneered the experiential learning educational method in which students work on real consulting projects either with external consulting firms and other real organizations (for graduate students) and internally with American University's Office of Information Technology (for undergraduate students). This method was first applied to my graduate course on [Business Process Analysis](#), and then replicated in the counterpart undergraduate course on [Business Process and Requirements Analysis](#).

2006: Developed the graduate business concentration in business systems consulting. This has been a very successful effort resulting in widespread recognition by local recruiters of Kogod's programs in Management and IT Consulting high reputation, primarily in Federal consulting, such that the top recruiters at Kogod at this time are the top recruiters at Kogod. Due to the success of our consulting concentrations the new MBA launched in 2014 has a dedicated consulting focus with a heavy emphasis on experiential learning methods.

BOOKS

"Obtaining Value from Big Data for Service Delivery," Kaisler, S. H., Armour, F., Espinosa, J. A., & Money, W., (2016). New York, NY, Business Expert Press.

"I'm Working While They're Sleeping: Time Zone Separation Challenges and Solutions," Carmel, E. and Espinosa, J. A. (2011), Nedder Stream Press, ISBN 978-0-9839925-0-9.

REFERRED JOURNAL ARTICLES

Nordback, Emma S. and Espinosa, J. Alberto (2019 in press). Effective Coordination of Shared Leadership in Global Virtual Teams, *Journal of Management Information Systems*.

Kaisler, S. H., Money, W. H., Armour, F., Espinosa, J. Alberto (2017). Big Data: The Path to Maturity. *International Journal of Systems and Service-Oriented Engineering*.

Temporal Distance, Communication Patterns and Task Performance in Teams”, Espinosa, J. A., Nan, N. and Carmel, E., (2015), the Journal of Management Information Systems, 32(1), p.151-191.

“Team Knowledge Representation: A Network Perspective”, Espinosa, J. A., & Clark, M. A. (2014), Human Factors, 56(2), p.333-348.

"Task Environment Complexity, Software Process Capabilities, and Coordination in Global Software Development," Lee, G., Espinosa, J. Alberto, and DeLone, W. H., IEEE Transactions on Software Engineering, (2013), 9(12), p.1753-1771

"Time Separation, Coordination, and Performance in Technical Teams ", Espinosa, J. A., Cummings, J. N., Pickering, C., IEEE Transactions on Engineering Management (2012), 59(1), p.91-103.

"Coordination and Performance in Global Software Service Delivery: The Vendor's Perspective", Gopal, A., Espinosa, J. A., Gosain, S., Darcy, D. P., IEEE Transactions on Engineering Management (2011), 58(4), p.772-785.

"Follow the Sun: Workflow In Global Software Development: Conceptual Foundations", Carmel, E., Espinosa, J. A., Dubinsky, Y., Journal of Management Information Systems (2010), 27(1), p.17-37.

"Crossing Spatial and Temporal Boundaries in Globally Distributed Projects: A Relational Model of Coordination Delay", Cummings, J. M., Espinosa, J. A. and Pickering, C., Information Systems Research (2009), 20(3), p.420-439.

"Familiarity, Complexity and Team Performance in Geographically Distributed Software Development", Espinosa, J. A., S. A. Slaughter, R. E. Kraut and J. D. Herbsleb (2007), Organization Science, 18(4), p.613-630.

"Learning From Experience In Software Development: A Multi-Level Analysis", Boh, W. F., S. A. Slaughter and J. A. Espinosa (2007), Management Science, 58(3), p.1315-1331.

"Team Knowledge and Coordination in Geographically Distributed Software Development", Espinosa, J. A., Slaughter, S. A., Kraut, R. E., & Herbsleb, J. D. (2007), Journal of Management Information Systems, 24(1), p.135-169.

"Ambidexterous Coping Strategies in Globally Distributed Software Development Projects", Lee, G., W. DeLone and J. A. Espinosa (2006), Communications of the ACM 49(10): p.35-40.

"Global Boundaries, Task Processes and IS Project Success: A Field Study", Espinosa, J. A., G. Lee and W. DeLone (2006), Information, Technology and People 19(4): p.345-370.

"The Impact of Time Separation on Coordination in Global Software Teams: a Conceptual Foundation", Espinosa, J. A. and E. Carmel (2004), Journal of Software Process: Practice and Improvement 8(4): p.249-266.

"Team Boundary Issues Across Multiple Global Firms", Espinosa, J. A., J. N. Cummings, J. M. Wilson and B. M. Pearce (2003), Journal of Management Information Systems 19(4): p.157-190.

REFEREED CONFERENCE PROCEEDINGS

"Big Data Redux: New Issues and Challenges Moving Forward" (**nominated for best paper** in the Decision Analytics, Mobile Service and Service Science track), Espinosa, J. A., Kaisler, S., Armour, F., & Money, W. (2019), proceedings of the 52nd Hawaii International Conference on System Sciences, Maui, Hawaii.

"Understanding Shared Familiarity and Team Performance through Network Analytics", Espinosa, M.A. Clark and D.E. Carter, 51th. Hawaii International Conference on System Sciences, Big Island, Hawaii: IEEE, 2018.

"The Big Data Analytics Gold Rush: A Research Framework for Coordination and Governance" Espinosa, J. Alberto, Armour, F., 49th. Hawaii International Conference on System Sciences Kauai, Hawaii: IEEE, 2016.

"Cognitive Coordination in Large-Scale Enterprise Architecting: A Case Study", Espinosa, J.A., Armour, F., Boh, W.F., and Kaisler, S.H., 48th. Hawaii International Conference on System Sciences, Kauai, Hawaii: IEEE, 2015.

"Cognitive and Behavioral Leadership Coordination: Linking Shared Leadership to High Performance in Global Teams (**nominated for best paper** in the Collaboration Systems and Technologies track)," Nordback, E., and Espinosa, J.A., 48th. Hawaii International Conference on System Sciences, Kauai, Hawaii: IEEE, 2015.

"Global Team Boundary Complexity: A Social Network Perspective, Espinosa, J.A., Lee, G., and DeLone, W., 47th. Hawaii International Conference on System Sciences, Maui, Hawaii: IEEE, 2014.

"Introduction to Big Data: Challenges, Opportunities and Realities," Kaisler, S. H., Armour, F., and Espinosa, J. Alberto (2014), proceedings of the 47th. Hawaii Conference on the System Sciences, IEEE, Maui, Hawaii.

"Advanced Analytics – Issues and Challenges in the Global Environment," Coauthor, Kaisler, S. H., Espinosa, J. Alberto, Armour, F., and Money, W. H. (2014), proceedings of the 47th. Hawaii Conference on the System Sciences, IEEE.

"Team Knowledge in Enterprise Architecting," Espinosa, J. A., Armour, F., Boh, W. F., & Clark, M. A. (2013), proceedings of the 46th. Hawaii International Conference on System Sciences, Maui, Hawaii.

“Big Data: Issues and Challenges Moving Forward,” Kaisler, S., Armour, F., Espinosa, J. A. & Money, W. (2013), proceedings of the 46th. Hawaii International Conference on System Sciences, Maui, Hawaii.

“A Self-Fueling Coordination Model for Enterprise Architecting Effectiveness,” Espinosa, J. A., Armour, F., Boh, W. F., & Clark, M. A. (2012), proceedings of the 45th. Hawaii International Conference on System Sciences, Maui, Hawaii.

Temporal Distance, Synchronicity and Team Performance”, Espinosa, J. A., Nan, N. & Carmel, E., Academy of Management Conference (2012), **Best Paper Proceedings and Best Paper Award**, Organizational Communication and Information Systems (OCIS) Division.

“The Role of Group Cognition in Enterprise Architecting” (**nominated for best paper** in the Collaboration Systems and Technologies track), Espinosa, J. A., F. Armour, Boh, W., proceedings of the 44th. Hawaii International Conference on System Sciences, Poipu, Kauai, 2011.

“The Organizational Impact of Enterprise Architecture: A Research Framework”, Espinosa, J. A., Boh, W., DeLone, W., proceedings of the 44th. Hawaii International Conference on System Sciences, Poipu, Kauai, 2011.

“The Main and Interaction Effects of Process Rigor, Process Standardization, and Process Agility on System Performance in Distributed IS Development: An Ambidexterity Perspective”, Lee, G., DeLone, W. H., Espinosa, J. A., proceedings of the International Conference on Information Systems, Saint Louis, MO, 2010.

“Coordination in Enterprise Architecting: An Interview Study”, Espinosa, J. A., Armour, F., Boh, W. F., proceedings of the 43rd Hawaii International Conference on System Sciences, Kawai, Hawaii, January 2010.

“Communication and Performance across Time Zones: A Laboratory Experiment”, Nan, N., Espinosa, J. A., Carmel, E., proceedings of the International Conference on Information Systems, Phoenix, Arizona, December 2009.

“Process Ambidexterity and Success in Geographically Dispersed Information Systems Development”, Lee, G., Espinosa, J. A., DeLone, W. H., Academy of Management Conference, **Best Paper Proceedings**, Chicago, Illinois, August, 2009.

“Coordination and Governance in Geographically Distributed Enterprise Architecting: An Empirical Research Design”, Espinosa, J. A., Boh, W. F., proceedings of the 42nd. Hawaii International Conference on System Sciences, Big Island, Hawaii, January, 2009.

“Follow The Sun Software Development: New Perspectives, Conceptual Foundation, and Exploratory Field Study”, Carmel, E., Dubinsky, Y., Espinosa, J. A., proceedings of the 42nd. Hawaii International Conference on System Sciences, Big Island, Hawaii, January, 2009.

"Distributed Enterprise Architecture: Towards a Theoretical Framework", Espinosa, J. A. and F. Armour, proceedings of the 41st. Hawaii International Conference on System Sciences, Big Island, Hawaii, IEEE, January 2008.

"Do Gradations of Time Zone Separation Make a Difference in Performance? A First Laboratory Study", Espinosa, J. A., E. Carmel and N. Nan, International Conference on Global Software Engineering, Munich, Germany. IEEE, August 2007.

"Spatial and Temporal Boundaries in Global Teams: Distinguishing Where You Work from When You Work", Cummings, J. N., J. A. Espinosa, and C. Pickering, International Federation for Information Processing (IFIP), Working Group 8.2/9.5. Working Conference on Virtuality and Virtualization. Portland, Oregon, July 2007.

"Ambidexterity and Global IS Project Success: A Theoretical Model, Lee, G.", W. DeLone and J. A., proceedings of the 40th Hawaii International Conference on System Sciences, Big Island, Hawaii, IEEE, January 2007.

"The Effect of Time Separation on Coordination Processes and Outcomes: A Case Study", Espinosa, J. A. and C. Pickering, proceedings of the 39th Hawaii International Conference on System Sciences, Poipu, Kauai, Hawaii, IEEE, January 2006.

"Coordination Mechanisms in Globally Distributed Software Development", Espinosa, J. A., S. A. Slaughter, J. D. Herbsleb and R. E. Kraut, First International Conference on Management of Globally Distributed Work, Bangalore, India, December 2005.

"Bridging Global Boundaries for IS Project Success", DeLone, W., J. A. Espinosa, G. Lee and E. Carmel, proceedings of the 38th Hawaii International Conference on System Sciences, Big Island, Hawaii, IEEE, January 2005.

"The Effect of Time Separation on Coordination Costs in Global Software Teams: A Dyad Model", Espinosa, J. A. and E. Carmel (2004), proceedings of the 37th Hawaii International Conference on System Sciences, Big Island, Hawaii, IEEE, January 2004.

"Modeling Coordination Costs Due to Time Separation in Global Software Teams", Espinosa, J. A. and E. Carmel, Global Software Development Workshop, International Conference on Software Engineering (ICSE), Portland, Oregon, IEEE, May 2003.

"Shared Mental Models, Familiarity, and Coordination: A Multi-Method Study of Distributed Software Teams", Espinosa, J. A., R. E. Kraut, S. A. Slaughter, F. J. Lerch, J. D. Herbsleb and A. Mockus, proceedings of the International Conference in Information Systems, Barcelona, Spain, December 2002.

"Research on Teams with Multiple Boundaries" (**nominated for best paper** in the Collaboration Systems and Technologies track), Espinosa, J. A., J. N. Cummings, B. M. Pearce and J. M. Wilson, proceedings of the 35th. Hawaii International Conference on System Sciences, Big Island, Hawaii, IEEE, January 2002.

"Shared Mental Models and Coordination in Large-Scale, Distributed Software Development", Espinosa, J. A., R. E. Kraut, F. J. Lerch, S. A. Slaughter, J. D. Herbsleb and A. Mockus, proceedings of the International Conference in Information Systems, New Orleans, Louisiana, December 2001.

"Shared Mental Models: Accuracy and Visual Representation", Espinosa, J. A., proceedings of the Americas Conference in Information Systems, Boston MA, Association for Information Systems, August 2001.

"Coming to the Wrong Decision Quickly: Why Awareness Tools Must be Matched with Appropriate Tasks", Espinosa, J. A., J. Cadiz, L. Rico-Gutierrez, R. E. Kraut, W. Scherlis and G. Lautenbacher, proceedings of the conference on Computer-Human Interaction (CHI), Association of the Computer Machinery's (ACM), The Hague, The Netherlands, ACM Press, March 2000.

REFERRED CONFERENCE ARTICLES WITHOUT PROCEEDINGS

Jones, J. M., Carter, D. R., Espinosa, J. Alberto, Clark, M., Symposium on Frontiers of Team Cognition Research: Empirical and Computational Approaches, "The Impact of Team Knowledge Overlap Networks on Team Coordination and Performance (accepted, to be presented in 2019)," Society for Industrial and Organizational Psychology (SIOP), Washington, DC. (to be presented in April 2019).

Big Data, Analytics & Governance: Body of Knowledge, half-day tutorial, with Armour, F. Hawaii International Conference on System Sciences, HICSS, Maui, HI. (January 2019)

Espinosa, J. Alberto, Armour, F., professional training workshops for the "Smart Data Workshop" Series at the Organisation for Economic Co-operation and Development (OECD), Paris, France, (June 2018). Conducted 4 half-day sessions with 110+ participants, live and online worldwide, on the topics: "Introduction to R", "Computational Statistics", "Machine Learning", "Decision Trees", "Interaction Models", and "Structural Equations Overview".

Big Data, Analytics & Governance: Body of Knowledge, half-day tutorial, with Armour, F. Hawaii International Conference on System Sciences, HICSS, Big Island, HI. (January 2018)

Espinosa, J. Alberto, follow up professional training workshops, online, the "Smart Data Workshop" Series at the Organisation for Economic Co-operation and Development (OECD), with 100+ online participants in Paris, France and worldwide. Conducted 3 half-day sessions online on the topics: "Non-Linear Models" and "Structural Equation Modeling" (2018).

Espinosa, J. Alberto and Armour, F., "Business Analytics Overview," Smart Data Workshop: Machine Learning, The Organisation for Economic Co-operation and Development (OECD), Paris, France (presented online to an audience of 80+ OECD professionals). Scope: International. Non-Refereed. (December 14, 2017)

Nordback, Emma (presenter), J.A. Espinosa and M.A. Clark, M.A., "Expertise and Task interdependence: Antecedents of Shared Leadership in Knowledge Intensive Work,"

Interdisciplinary Network for Group Research conference, St. Louis, Missouri, Refereed. (July 2017)

Big Data, Analytics & Governance: Body of Knowledge, half-day tutorial, with Armour, F. Hawaii International Conference on System Sciences, HICSS, Kauai, HI. (January 2017)

Big Data, Analytics & Governance: Body of Knowledge, half-day tutorial - Most attended tutorial in the conference, with Armour, F. and Money W., Hawaii International Conference on System Sciences, HICSS, Kauai, HI. Scope: International. Refereed. (January 2017)

"Social Network Analysis," Half-Day Executive Talk, School of Business at LUISS University, Rome, Italy. (July 1, 2016)

"Big Data Analytics Body of Knowledge," Faculty Talk, School of Science at Aalto University in Finland, Espoo, Finland. (2016)

"Debriefing on Team Knowledge Network Study," Match Design Webinar, School of Science at Aalto University in Finland, Online. (August 26, 2016)

Presented paper, Presenter & Author, Espinosa, J. Alberto, Clark, M., N. E., "Knowledge Networks in the Wild: Team Familiarity Networks, Coordination and Performance: Challenges and Preliminary Results of a Knowledge Network Approach," Interdisciplinary Network for Group Research conference, Helsinki, Finland. Scope: International. Refereed. (July 2016)

"Social Network Analysis," Half-Day Executive Talk, School of Business at LUISS University, Rome, Italy. (July 1, 2016)

"Global Boundary Complexity and Teamwork: A Social Network Coordination Perspective," Doctoral Seminar, School of Business at LUISS University, Rome, Italy. (June 30, 2016)

"Coordination in Globally Distributed Teams," 8-week (3 hours per week) doctoral seminar, School of Science at Aalto University, Finland (March 2016 - April 2016).

"Big Data Analytics Body of Knowledge," Half-Day Executive Talk, Department of International Business at the School of Business at Aalto University, Helsinki, Finland. (April 26, 2016)

"Geographically Dispersed Teams," Doctoral Seminar, Department of International Business at the School of Business at Aalto University, Helsinki, Finland. (April 25, 2016)

"Big Data and Analytics Challenges and Issues (Half-Day Afternoon Tutorial)," with Kaisler, S., Armour, F. and Money W., Hawaii International Conference on System Sciences, HICSS, Kauai, HI. Scope: International. Refereed. (January 2016)

"Introduction to Big Data (Half-Day Morning Tutorial - Most attended tutorial in the conference)," with Kaisler, S., Armour, F. and Money W., Hawaii International Conference on System Sciences, HICSS, Kauai, HI. Scope: International. Refereed. (January 2016)

"Coordinated Architecting: The Key to Successful Enterprise Architecture (pre-selected for MISQe special issue)," Boh, W., Armour, F., Espinosa, J. Alberto, Pre-ICIS SIM/MISQe Academic Workshop on Enterprise Architecture for Business Transformation, Society for Information Management and Association for Information Systems, Auckland, New Zealand. December 13, 2014

"Team Knowledge Networks: Internal and External Linkages, Clark, M., Espinosa, J. Alberto," Society for Industrial and Organizational Psychology (SIOP), Exploring the Social Foundations of Effective Team Processes and Outcomes Symposium, Honolulu, Hawaii, July 2014

"Team Knowledge Measurement and Representation in Large Collectives with Social Network Methods," Espinosa, J. Alberto, Clark, M. (presenters and symposium organizers), Academy of Management, Organizational Communication and Information Systems Division, Orlando, FL., August 2013.

"Research Findings on Coordination of Global Teams Across Time Zones," invited keynote speaker, Hawaii International Conference on the System Sciences (HICSS), Workshop on Virtual Teams, American University's SIS COTELCO Center, Maui, Hawaii, January 8, 2013.

"Coordination Complexity in Geographically Distributed Collaboration", Espinosa, J. A. and R. Verburg, symposium co-chairs and co-organizers, including paper "Virtual Team Boundary Complexity: A Team Coordination Perspective", J. A. Espinosa, G. Lee and W. DeLone, Academy of Management Conference, Philadelphia, Pennsylvania, August 2007

"Your Time Zone or Mine? Geographic Configurations, Global Team Coordination, and Project Outcomes", Espinosa, J. A., J. N. Cummings and C. Pickering, Academy of Management Conference, Atlanta, Georgia, August 2006.

"Coordination in Global Teams: A Framework for Exploration", Espinosa, J. A. and M. A. Clark, Academy of Management Conference, Atlanta, Georgia, August 2006.

"Structuring Team Knowledge: Dimensions, Beliefs, Distribution, & Coordination", Espinosa, J. A. and M. A. Clark, symposium co-chairs and organizers, including symposium paper "Structural Dimensions of Team Knowledge", Clark, M. A. and J. A. Espinosa, Academy of Management Conference, Oahu, Hawaii, August 2005.

"A New Vision of Team Knowledge: Multidimensional Content and Structure", Clark, M. A. and J. A. Espinosa, Academy of Management Conference, Oahu, Hawaii, August 2005.

"Identifying New Directions in Group Research" with Carnegie Mellon faculty: S. Slaughter, R. Kraut, L. Argote, L. Weingart, S. Kiesler and P. Goodman, panel symposium at the Academy of Management conference, New Orleans, Louisiana, December 2004.

"Individual, Group and Organizational Learning in Software Development: A Learning Curve Analysis", Boh, W. and S. A. Slaughter and J. A. Espinosa, Academy of Management Conference, Seattle, Washington, August 2003.

“The Effect of Task Knowledge Similarity and Distribution on Asynchronous Team Coordination and Performance: Empirical Evidence from Decision Teams”, Espinosa, J. A., Carley, K., Kraut, R. E., Slaughter, S. A., Lerch, F. J. and Fussell, S., Second Information Systems Cognitive Research Exchange (IS CoRE) workshop, Barcelona, Spain, December 2002.

BOOK CHAPTERS AND OTHER PUBLICATIONS

Kaisler, S., Espinosa, J. Alberto, Armour, F., Money, W. (2014). "Advanced Analytics for Big Data," in Encyclopedia of Information Science and Technology, Third Edition (by Mehdi Khosrow-Pour) pp. 406-438, New York, NY: Information Resources Management Association

Kaisler, S., Armour, F., Money, W., Espinosa, J. Alberto (2014). "Big Data: Issues and Challenges," in Encyclopedia of Information Science and Technology, Third Edition (by Mehdi Khosrow-Pour) pp. 406-438, New York, NY: Information Resources Management Association

Espinosa, J. Alberto (2013). "High Performance in Temporally Separated Team Work," in Developing and Enhancing Teamwork in Organizations: Evidence-Based Best Practices and Guidelines (by Alas, E., Tannenbaum, S.I., Cohen, D., and Latham, G.) pp. 406-438, New York, NY: Society for Industrial and Organizational Psychology, Jossey-Bass, John Wiley & Sons

Espinosa, J. Alberto, Clark, M. (2011). "Team Knowledge: Dimensions, Representation and Team Boundaries," in Theories of Team Cognition: Cross Disciplinary Perspectives (Salas, Fiore, and Letsky) pp. 289-312, New York, NY: American Psychological Association (APA) (Refereed)

“High Performance in Temporally Separated Team Work”, in E. Salas, Tannenbaum, S. , Cohen & D. Latham, G. (Eds.), High Performance Teams, 2013, pp. 406-438, New York, NY: Society for Industrial and Organizational Psychology (SIOP), Jossey-Bass, John Wiley & Sons

“Team knowledge: Dimensional structure and network representation” with Clark, M. A., in E. Salas, S. M. Fiore and M. Letsky (Eds.), Theories of Team Cognition: Cross-Disciplinary Perspectives, Psychology Press/Routledge, Taylor & Francis Clark, (2011), (pp. 289-312).

"Coordination in Global Teams", M. A. Clark and J. A. Espinosa, in "Handbook of 21st. Century Management," Wankel, C. (Ed.), Sage, 2008, ISBN 978-1-4129-4972-9

"Explicit vs. Implicit Coordination Mechanisms and Task Dependencies: One Size Does Not Fit All.", with Lerch, F. J. and Kraut, R. E. (2004), in E. Salas and S. M. Fiore (Eds.), Team Cognition: Process and Performance at the Inter- and Intra-individual Level, p. 107-129, ch. 6, 2004, peer reviewed and published by the American Psychological Association, Washington, DC, ISBN 1-59147-103-6.

“Shared Mental Models and Coordination in Large-Scale, Distributed Software Development” (May 2002), doctoral dissertation, Carnegie Mellon University, Pittsburgh, Pennsylvania, UMI 3065743, ISBN 0-493-85125-9

OTHER PRESENTATIONS

Big Data and Analytics full-day tutorials at the (3 years in a row) 46th, 47th, and 48th Hawaii International Conference on the System Sciences in 2013, 2014 and 2015 respectively (with **record registrations** and attendance). Co-designed and co-organized the tutorial with 3 other collaborators and led the session on the “Knowledge Framework for Big Data, Analytics and Data Science.”

Invited keynote speaker presentation: “I’m Working While They’re Sleeping: Time Zone Separation Challenges and Solutions”, 45th. Hawaii International Conference on the System Sciences (HICSS 45), workshop on “Cross Cultural Communication and Collaboration in Accessible Cyberlearning and Global Virtual Teams”, Maui, Hawaii, January 8, 2013

"Teaching Requirements Analysis with iRise Visualization Software," iRise Visualize Conference, iRise, Washington, DC. November 8, 2012

"Temporal Distance, Synchronicity and Team Performance," research seminar, George Mason University, Psychology Department, Fairfax, Virginia. September 19, 2012

Invited keynote speaker presentation: “Global Boundary Complexity and Teamwork: A Social Network Coordination Perspective, International Conference on Global Software Engineering, ICGSE, Porto Alegre, Brasil, August 30, 2012

"Temporal Distance, Synchronicity and Team Performance," research seminar, Robert H. Smith School of Business, University of Maryland, College Park, MD, February 17, 2012

"Temporal Distance, Synchronicity and Team Performance," research seminar, City University of New York, Baruch College, New York, NY., April 3, 2012

"Coordination in Enterprise Architecting: Preliminary Findings," Espinosa, J. A., Boh, W. F., Armour, F., INFORMS Annual Meeting, Austin, TX (2010).

"Time Separation, Coordination and Performance in Technical Teams," research seminar, Georgia Tech, College of Management, Atlanta, GA. (2010)

"Enterprise Architecting Process and Coordination: Preliminary Findings from CITGE Study," Espinosa, J. A., Armour, F., with co-author Boh, W. F., CITGE Workshop on Enterprise Architecture, Center for Information Technology and the Global Economy, Kogod School of Business, American University, Washington, DC., December 2009.

“Crossing Spatial and Temporal Boundaries in Globally Distributed Projects: A Relational Model of Coordination Delay,” with Cummings, J. N., presented at the University of Limerick, Ireland, by invitation of the Information Systems Research special issue editors, March 2008.

“Coordination of Technical Collaborative Work Across Time Zones” presented at the National University of Ireland at Galway, March 2008.

“Collaboration Complexity in Globally Distributed Work”, New York University Global Delivery Conference, New York, May 2008.

“They’re Asleep While We’re Working”, presented with Erran Carmel at the Intercultural Management Institute (IMI) Conference, American University, March 2008, 2009, 2010.

“Team Knowledge in Geographically Dispersed Teams: Dimensions, Representation and Team Boundaries”, Multidisciplinary University Research Initiative (MURI), University of Central Florida, Orlando, Florida, October 2008.

“Current Trends in the IT Profession: Business Analysis, Enterprise Architecture and Global Outsourcing”, Universidad del Pacifico, Lima, Peru, August 2008.

"They’re Asleep While We’re Working: Coordinating Teamwork Across Time Zones", workshop conducted for the Northern Virginia Global Special Interest Group, Society of Human Resource Management, Fairfax, Virginia, May 17, 2007.

"They’re Asleep While We’re Working", with E. Carmel, 8th Annual Intercultural Management Institute's(IMI) Conference, School of International Service, American University, Washington, District of Columbia, March 15, 2007.

"The Stubborn Problem of Coordination Across Time Zones", with E. Carmel E., New York University-IBM Global Sourcing Workshop, New York, New York, January 26, 2007.

"The Impact of Time Separation on Global Coordination", School of Management, George Mason University, by March 10, 2006.

“The Effect of Time Separation on Coordination Processes and Outcomes: A Case Study”, poster session at the First Intel IT Research and Innovation Open House, and follow up paper presentation at the First Collaboration Workshop of the IT Innovation group at Intel Corporation, Folsom, California, December 6-7, 2005.

"Coordination in Large-Scale Software Development: A Qualitative Field Study", seminar presentation at the School of Information, University of Michigan, Ann Arbor, Michigan, November 28, 2000.

TEACHING

At the Kogod School of Business, American University:

ITEC 621, Predictive Analytics (2016 Summer, 2017 Summer, 2018 Spring, 2019 Spring on campus, Fall of 2016 online). Also, designed and developed this course for both modes, campus and online.

KSB-999 R Programming for Business Analytics. Self-taught learning module designed for MS Analytics students entering the program, with recorded lectures, R software code and exercises.

ITEC 623, Social and Organizational Network Analytics (presently teaching, Fall 2017 and 2018)

ITEC 630, Business Process Analysis (prior course names: Systems Requirements and Design for Managers; Business Requirements Analysis), MBA course, Fall 2018, Fall 2017, Fall 2015, Fall 2014, Fall 2013, Fall 2012, Fall 2011, Fall 2010, Fall 2009, Spring 2008, Spring 2007, Fall 2006, Spring 2006, Fall 2005 and Spring 2005.

Doctoral Seminar on Global Team Coordination (8 week module), as a visiting scholar at Aalto University in Otaniemi, Finland, March 2016.

ITEC 657, Systems Analysis for Managers, MBA course, Fall 2003 (1/2 semester module).

ITEC 651, Systems and Database Design, MBA course, Fall 2003 (1/2 semester module).

ITEC 200 (course architect, coordinator and instructor), The Leading Edge of Information Technology, undergraduate business course with substantial hands-on lab component, Spring 2012, Spring 2011 Spring 2010, Spring 2008, Spring 2007 and Fall 2006.

ITEC 455, Business Requirements Analysis, undergraduate business course, Fall 2018, Spring 2018, Spring 2017, Spring 2015, Spring 2014, Spring 2013, Spring 2012, Spring 2011, Spring 2010, Spring 2009

ITEC 334, Online Application Development (prior course name: Programming in the Web Era), undergraduate business course (developing business applications online using client-side and server-side scripting), Fall 2011, Fall 2010, Fall 2009, Fall 2008.

ITEC 485, Senior Workshop on Information Systems, undergraduate business course, Spring 2004.

ITEC 352, Introduction to Management Information Systems, undergraduate business course, Spring 2006, Fall 2005 (Honors Program section), Spring 2005, Spring 2004, Fall 2003, Spring 2003 (2 sections) and Fall 2002.

At the Tepper School of Business, Carnegie Mellon University:

45-876 Information and Communication Technologies, MBA course, Summer 2002, Carnegie Mellon University, Graduate School of Industrial Administration, for both regular on-campus students and remote students (Pratt Whitney employees in other US locations) through videoconference technology.

45-870 Management Information Systems, MBA course, Summer 2000 and 2001, Carnegie Mellon University, Graduate School of Industrial Administration, for both regular on-campus students and remote students (Pratt Whitney employees in three other US locations) through videoconference technology.

70-451 Management Information Systems, undergraduate business course, Summer 1999, Carnegie Mellon University, School of Business Administration.

OTHER TEACHING ACTIVITIES

Co-chair of the Faculty sub-committee of the Middle States accreditation self-study (2012-2013)

American University Faculty Senate member and chair of the Faculty Senate on Information Services (2011-2012).

Curriculum development for new courses on: big data, business intelligence and business analytics for undergraduate and graduate education; committee chair for the development of a proposal and plan for Kogod's Center for Business and Government Analytics; leader of Provost task force for campus-wide interdisciplinary education on big data and analytics.

Curriculum development for new courses on: Information Security Risk in the Digital Economy (graduate and undergraduate); Business Intelligence (graduate); and Becoming a Digital Citizen (general education course for freshmen).

Curriculum development, design and course coordination for multiple sections of ITEC 200 (undergraduate), The Leading Edge of Information Technology, the only required information technology course, American University, Kogod School of Business.

Curriculum development for ITEC 630, MBA course, Business Analysis (formerly System Requirements and Design for Managers), in which students learn business process modeling, requirements analysis, use case analysis, data modeling, relational database design and project requirements analysis. American University, Kogod School of Business.

Participation in America Online's Partnership in Excellence program in which 2 teams of ITEC 630 MBA students prepared requirements and a database design for America Online local search applications.

Curriculum development for ITEC 334, undergraduate course, Online Application Development (formerly Programming in the Web Era), in which students learn how to plan, design and implement business applications online hosted externally at a web service provider. The course focuses on programming fundamentals, database access, client-side scripting and server-side scripting. American University, Kogod School of Business.

Curriculum development for ITEC 455, undergraduate course, in which students learn business process modeling, requirements analysis, use case analysis, data modeling, and project requirements analysis. American University, Kogod School of Business.

Independent study with: undergraduate student on online business development (Spring 2008); MBA student on conversion of a company's software process to the Unified Process (Spring 2004); undergraduate business student on the use of the Internet by influential managers (Fall 2003).

Committee member for a masters thesis for a computer science student on knowledge portals (Spring 2003).

Supervised honors program projects for students (Fall 2002, Spring 2003, Fall 2003, Spring 2004).

Co-supervised work of a Carnegie Mellon University doctoral student in Information Systems on a research study, presented at the Academy of Management conference, and then published in Management Science.

EXTERNAL SERVICE

Associate Editor at Information Systems Research journal (January 2012 to December 2015).

Hawaii International Conference on the System Sciences, co-chair for the mini-track on Big Data Analytics (7th. Year, 2012 to 2018 upcoming)

Hawaii International Conference on the System Sciences, co-chair for the mini-track on Virtual Teams (2018 upcoming)

Hawaii International Conference on the System Sciences, Big Data Analytics, workshop leader and organizer (7th. year, 2012 to 2018, highest attendance workshop at HICSS the last 5 years)

International Conference on Information Systems (ICIS) associate editor, Seoul, South Korea, December 2017 (upcoming).

International Conference on Information Systems (ICIS) associate editor, Dublin, Ireland, December 2016.

America's Conference on Information Systems (AMCIS), Enterprise Architecture and Organizational Success, Mini-Track Co-Chair, San Juan, Puerto Rico (forthcoming), August 2016.

Academy of Management Conference on (AoM), associate editor for the Organizational Communications and Information Systems (OCIS) division, Vancouver, (forthcoming) Canada, August 2015.

International Conference on Information Systems (ICIS) associate editor, Fort Worth, TX, December 2015.

America's Conference on Information Systems (AMCIS), Enterprise Architecture and Organizational Success, Mini-Track Co-Chair, Savannah, GA, August 2014.

Academy of Management Conference on (AoM), associate editor for the Organizational Communications and Information Systems (OCIS) division, Philadelphia, PA, August 2014.

America's Conference on Information Systems (AMCIS), Enterprise Architecture and Organizational Success, Mini-Track Co-Chair, Chicago, IL, August 2013.

International Conference on Information Systems (ICIS) associate editor, Milan, Italy, December 2013.

Academy of Management Conference on (AoM), associate editor for the Organizational Communications and Information Systems (OCIS) division, Orlando, FL, August 2013.

International Conference on Information Systems (ICIS) associate editor, Orlando, FL, December 2012.

America's Conference on Information Systems (AMCIS), Enterprise Architecture and Organizational Success, Mini-Track Co-Chair, Seattle, WA, August 2012.

International Conference on Information Systems (ICIS) associate editor, Shanghai, China, December 2011.

America's Conference on Information Systems (AMCIS), Enterprise Architecture and Organizational Success, Mini-Track Co-Chair, Detroit, MI, August 2011.

America's Conference on Information Systems (AMCIS), Enterprise Architecting and Organizational Success, Mini-Track Co-Chair, Lima, Peru, August 2010.

Academy of Management Conference on (AoM), associate editor for the Organizational Communications and Information Systems (OCIS) division, Montreal, Canada, August 2010.

International Conference on Information Systems (ICIS) track co-chair, Phoenix, Arizona, December 2009.

Member of judge panel for INFORMS' Organization Science PhD Dissertation Proposal Competition, October 2008, Washington DC – reviewed and evaluated 8 dissertation proposals and their respective presentations at the annual INFORMS conference.

Program co-chair for the Information Systems Cognitive Research Exchange workshop, SIG IS CoRE 2005, Las Vegas, Nevada, SIG IS CoRE 2004, Washington, D.C. (lead program co-chair), and SIG IS CoRE 2003, Seattle, Washington. IS CoRE is a special interest group of the Association for Information Systems (AIS), a pre-ICIS (International Conference on Information Systems) workshop.

“Social Theory in Information Systems” mini-track co-chair for the America 's Conference in Information Systems, AMCIS 2004, New York, New York; AMCIS 2003, Tampa, Florida; and AMCIS 2002, Dallas, Texas. Responsibilities included organizing mini-track, calling for papers, managing the review process, reviewing papers, accepting/rejecting papers, and coordinating and conducting conference sessions.

Referee for MIS Quarterly, Information Systems Research, Management Science, Organization Science, the Journal of Management Information Systems, the Journal of the Association for Information Systems, IEEE Transactions on Software Engineering, Communications of the ACM, Small Group Research and other scholarly journals and leading conferences.

Discussant at the Academy of Management conference, Oahu, Hawaii, 2005, on 4-paper session on Knowledge Networks.

INTERNAL SERVICE

Kogod Rank and Tenure Committee (October 2016 to date).

Committee Member, Kogod Diversity and Inclusion Committee. (January 1, 2016 to date). Work with committee to collect and evaluate data on student, faculty and staff diversity at Kogod and develop programs and events to promote diversity and inclusion.

Faculty Advisor, AU's Institute on Disability and Public Policy. (September 1, 2015 to present). Serve as faculty advisor in on the institute's board.

Faculty Advisor, Brigham Young University Spanish Case Competition. (September 2016 - October 2017). Served as advisor and coach with another faculty (Cristel Russell) for a team of students for the competition.

Faculty Senate member (de-facto member as chair of the Faculty Senate Committed on Information Services (see below, August 2011 to August 2012).

General Education Committee (August 2011 – August 2012).

Academic Technology Steering Committee, university committee to make recommendations for academic technology (November 2009 to August 2012).

Enterprise Systems Advisory Committee, university committee to provide advice and guidance to the Enterprise Systems group at American University's Office of Information Technology on the enterprise project portfolio and initiatives. September 2009 to September 2010.

Faculty Senate Committee on Information Services (current chair), university committee to represent faculty on information technology and issues and provide advice and information to American University's Faculty Senate (January 2008 to August 2012).

Faculty Activity Reporting System, university committee to evaluate, select and implement an electronic faculty activity reporting system to replace the older manual process. Spring 2008 to April 2010.

Frederick Douglass Distinguished Scholarship, university committee to develop the most distinguished scholarship program at American University for minorities and under represented students. April 2009 to November 2009. Designed and implemented the program guidelines and successfully recruited the program's director.

Journal List Committee, February 2009 to April 2010, developed scholarly journal list for tenure, promotion and other evaluation purposes.

Coordinator of the Information Systems and Technology (IST) undergraduate concentration (Fall 2007 to present).

Advisor for the Hispanic MBA club (Spring 2008 to present) and the Business, Technology and Consulting undergraduate club (Fall 2008 to Spring 2011), MBA Business Consulting club (Fall 2010 to Spring 2011) and the Consulting Club (graduate and undergraduate student club, Fall 2011 to date).

Advisor for the Business, Technology and Consulting undergraduate club (Spring 2009 to present) and the Business, Technology and Consulting undergraduate club (Fall 2008 to August 2011)

Member of the Educational Policy Committee (EPC) for the 2005-06 academic year.

Member of the Learning Assessments committee, 2006-07 to develop learning objectives and metrics to perform assessments for the school, as required by the AACSB.

Dean's committee for Kogod's new building classroom design and use of technology and new Kogod Lab design.

Dean's discussion group for on-line (hybrid) programs at Kogod.

Recruitment committee for Kogod School of Business position for Associate Professor of Finance, Fall of 2005 and Assistant Professor of International Business, Spring 2008.

Kogod's Educational Policy Committee, Fall 2005-Spring 2006.

Faculty committee on Kogod's new building classroom design.

Faculty Senate Committee on the University's information technology (Spring 2004, Fall 2007, Spring and Fall 2008).

Organized and coordinated the Information Technology Department's Research Seminar (From Fall 2002 to date), including the design and maintenance of the seminar's web site. The seminar has included multiple external and internal presentations.

Recruitment committee for Kogod School of Business position for Assistant Professor of Information Technology, Fall of 2003.

HONORS AND OTHER EXPERIENCES

Best paper nomination in the Decision Analytics, Mobile Service and Service Science track for “Big Data Redux: New Issues and Challenges Moving Forward,” Espinosa, J.A., Kaisler, S., Armour, F. and Money, W. H., 52nd. Hawaii International Conference on System Sciences, Maui, Hawaii: 2019.

Best paper nomination in the Collaboration Systems and Technologies track for “Cognitive and Behavioral Leadership Coordination: Linking Shared Leadership to High Performance in Global Teams,” Nordback, E., and Espinosa, J.A., 48th. Hawaii International Conference on System Sciences, Kauai, Hawaii: IEEE, 2015.

Best Paper Proceedings and Best Paper Award, Organizational Communication and Information Systems (OCIS) Division. “Temporal Distance, Synchronicity and Team Performance”, Espinosa, J. A., Nan, N. & Carmel, E., Academy of Management Conference (2012).

Best paper nomination in the Collaboration Systems and Technologies track for “The Role of Group Cognition in Enterprise Architecting”, Espinosa, J. A., F. Armour, Boh, W., 44th. Hawaii International Conference on System Sciences, Poipu, Kauai, 2011.

Best Paper Proceedings for "Process Ambidexterity and Success in Geographically Dispersed Information Systems Development", Lee, G., Espinosa, J. A., DeLone, W. H., Academy of Management Conference, Best Paper Proceedings, Chicago, Illinois, August, 2009.

Best published paper nomination and runner up for "Familiarity, Complexity and Team Performance in Geographically Distributed Software Development" (Org Science 2007), by the Organizational Communication and Information Systems (OCIS) division of the Academy of Management at the 2008 conference for the Best Published Paper Award. The paper was one of 4 papers nominated from 85 submissions made by OCIS members from all published papers by OCIS members in all scholarly journals in 2007.

Best paper nomination in the Collaboration Systems and Technologies track for "Research on Teams with Multiple Boundaries", Espinosa, J. A., J. N. Cummings, B. M. Pearce and J. M. Wilson, Hawaii International Conference on System Sciences, Big Island, Hawaii, IEEE, January 2002.

Kogod Dean’s Special Award for Outstanding Service, 2013.

Kogod Achievement Award for Outstanding Research for research activities in 2003, 2006, 2007, 2009, 2010 and 2013.

Kogod Achievement Award for Outstanding Service in 2009, 2010 and 2013.

Kogod Achievement Award for Outstanding Teaching in 2010.

Kogod UPS Faculty Fellowship Award, Kogod School of Business, American University (2010 to date).

Kogod Endowed Fellow and UPS Scholar, Kogod School of Business, American University (2002 to 2008).

Best Student Teacher award, Carnegie Mellon University, Department of Business administration, undergraduate program, 2001

Doctoral Consortium, International Conference in Information Systems (ICIS), New Orleans, 2001

Doctoral Consortium, Academy of Management Conference, TIM/OCIS, Washington D.C., 2001

William Larimer Mellon Fellowship, 1997 to 2000

Carnegie Bosch Institute Award, for research in international management 2000-2001

Lucent Technologies research internship, summer 2000

KPMG Ph.D. Scholarship Award, 2000 and 2001

WORK EXPERIENCE

1987-1997, Director of Management Information Systems, Director of Quality Assurance, Vice-president of Finance and Administration, and Chief Financial Officer, TechnoServe, Inc., Norwalk, CT – Developed, implemented and managed all systems during this period, including: the field accounting system and its integration with the home office accounting system, with exchange rate conversion; a field operations database for program quality control and analytics; several other systems (e.g., payroll, time off control, direct mail, etc.)

1989-1996, Independent IT consulting work, Norwalk, CT – developed and implemented systems for a community action agency to manage the Energy Subsidy Program to provide heating services and housing weatherization for low income people; also implemented a computerized accounting system.

1984-1987, Financial and Systems Analyst, Partnership for Productivity, International, Washington, D.C. – developed the program and corporate budgeting systems, a financial management system; and a computerized accounting system. Also developed a method to measure industrial productivity for an organization in Cairo, Egypt.

1977-1981, Project Design Engineer and Project Manager for various positions in the Oil, Mining and Industrial Construction industries (e.g., the fire protection system at La Pampilla refinery in Lima, Peru; the piping detail plans for a major mining project in the Cobriza mine in Ayacucho, Peru). Also supervised and oil pipeline construction project in the Amazon in Peru. In addition, I developed cost estimation methods and systems for a construction firm.