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| Oscar A. Mondragon, Ph.D. | 4221 Norfolk Lane  El Paso, TX, 79902  oamondragon@utep.edu  (915) 258 8277 |
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| EDUCATION | |
| **The University of Texas at El Paso, USA May 2004**  ***Doctoral Program in Computer Engineering***  Dissertation targets the problems of incomplete and incorrect specifications of software properties through the use of extended patterns and the automated generation of formal specifications in Future Interval Logic (FIL) and Meta-Event Definition Logic (MEDL).  **California State University, Sacramento, USA May 1996**  ***Master of Science in Computer Science with Emphasis in Software Engineering***  Project conveys an analysis of object-oriented methodologies and describes their support for real-time systems. Project was sponsored and presented to Lockheed Co.  **ESIME at National Polytechnic Institute (IPN), Mexico Dec 1992**  ***Bachelor of Science in Communications and Electronics***  Thesis discusses the implementation details of a tutorial maker system including algorithms and data structures for managing recursive multilink lists and memory mappings. | |
| CERTIFICATIONS | |
| * Certified Software Engineering Professional (**CSDP**), IEEE, 2002 – present * Associate Systems Engineering Professional (**ASEP**), INCOSE 2017 – present * Certificate - Capability Maturity Model Integration (**CMMI**), Software Eng. Inst. (SEI), 2009 – present * Certified Appraisal Team Member (ATM) for Medical Devise Discovery Assessment Program (**MDDAP - ATM**), Program by the Food and Drug Administration (FDI) and CMMI, 2019 - present * Authorized Instructor CMMI for Development, CMMI Services; and MDDAP, CMMI Inst, 2005 – * Personal Software Process (**PSP**) Developer & Authorized Instructor, Software Engr. Inst., 2010 – 2014 * Certified Team Software Process (**TSP**) Coach, Software Engineering Institute (SEI), 2011 – 2016 * Certified Personal Software Process (PSP) Developer, Software Engr. Institute, 2010 – 2018 | |
| AWARDS & HONORS | |
| * **Teaching award 2019**, College of Engineering, University of Texas at El Paso * Outstanding Doctoral Student 2005, University of Texas at El Paso * **Outstanding Dissertation** 2004, University of Texas at El Paso * Dodson Doctoral Fellowship, 2002-2003, University of Texas at El Paso * **CONACYT Scholarship** for doctoral studies, 1999-2003. * **Fulbright** **Scholarship**, Master's degree 1994-1996, USA government. * Lockheed Martin Research Grant, Project: Real Time Object-Oriented Analysis, spring 1996. * Annual Research Award, Computer Science, Natl Polytechnic Inst. (IPN), Mexico City, 1991 | |
| EXPERIENCE | |
| ***Associate Professor of Practice*** *University of Texas at El Paso, USA Sept 2014 – Present* | |
| **Computer Science Department, January 2020 – present**   * ***Program Director***– Master of Science in Software Engineering (**MSSwE**), Feb 17, 2020 – present * ***5 Sponsored Research*** – National Science Foundation, Interdisciplinary, Co-Pi ($1,499,000; $239,410), Smart Social Conc. – National Science Found., Multiple Universities, **Pi** ($390,634 UTEP /$1,200,000 NEIU), IS-CUCO – UTEP – IDR, Planning project, Co-Pi ($20,000) – National Science Foundation, Co-Pi ($5,000 UTEP, 100,000 UTRGV) * ***Teaching*** – CS5385 Soft Requirement Eng., CS5386 Arch. & Design, Capstone courses CS4310, CS 4311 Sw. Engineering I & II, CS3331 Adv 0bj 0r, CS 4311 Intro to CS * ***Course Development*** *–* Developed content for graduate course CS 5385 Software Requirements * ***7 Publications –*** 2 in 2020, 1 in 2021, 4 in 2022   **Industrial Manufacturing and Systems Engineering Department, Sept. 2014 to Dec. 2019**   * ***Program Founder & Director***– **Online** MS in Systems Engineering (**MSSE**), Sep, 2014 – 2019 Architected the online MSSE program to examine CMMI model, INCOSE handbook, TSP principles, and hands on approach, and getting feedback from Industry (Lockheed Martin Aeronautics) **- AT&T and UTEP officials** signed an agreement for a new **partnership** offering qualified AT&T employees the opportunity to enroll in the fully online MSSE, April 30, 2019. - The **Online MSSwE** is one of the **most successful programs** in College of Eng. and Extend Univ. **- Defined the pedagogic structure** of courses to facilitate online learning and consistency **- Developed course content** for 5 of the 10 courses. 9 online courses were developed * **System Engineering. Boot Camp.** Co-developed and co-tough the SE 4390/5390 course. **Lockheed Martin Aero**. and UTEP * ***Course Developed for Online MSSE*** *–* SE 5341 Systems Fundamentals; SE 5345 Project Practicum; SE 5347 Systems Processes; SE 5348 Systems Modelling and Simulation; SE 5390 INCOSE SEP Exam preparation * ***2 Sponsored Research*** – **Lockheed Martin Aero LMA** Co-Pi ($132,833);   –**National Science Foundation** Co-Pi ($5,000 UTEP, 100,000 UTRGV) * ***6 Publications*** – 3 in 2019, 1 in 2017, 2 in 2015   **Industry Projects** –   * Process improvement projects for Supplier Quality Management area at Lockheed Martin Aeronautics * Defining augmented service agreements for Extended University at UTEP * Process improvement for service agreements and a software tool for managing 3D printing services at Keck Center at UTEP * Creating a Planning and Monitoring tool for managing capstone projects, IMSE department * Design of an Auto-mobility Garbage Bin for the Environmental Services Division, City of El Paso * Management System for Student practices and Inventory, Simulation Lab, Nursing, UTEP * Tailored the System Engineering Boot Camp from Lockheed Martin Aeronautics to create a course   **Research Papers**   * FIE - Personal ownership of quality * Enhanced Service agreements – Specification methodology with process models and use cases applied in two practicum projects and the Supplier Quality Management area at Lockheed Martin Aeronautics * Statistical process control with baselines and process performance models for TSP metrics * Smart cities – applying system engineering models to transportation system and lead students’ projects * IRES – supporting coordination and managing a research team with smart cities topics. * Mapping INCOSE processes to CMMI practice areas   *Consultant Software Industry Excellence Center de Mexico S.C. Jan 2011 – July 2014* | |
| **SPI** – Software Process Improvement (SPI)   * Guided companies in their SPI programs. 2011 – 2014. * Conducted seminar for developers and senior managers in Guatemala, Cuba, and Mexico. 2011 – 14.   **CMMI** - Capability Maturity Model Integration (CMMI) by Software Engineering Institute   * Taught more than 15 "Introduction to CMMI Development" and “Intro to CMMI Services” courses in Europe, Mexico and Latin America. 2011 - 2019 * Consulted CMMI implementation projects for companies in Mexico and Latin America at high maturity levels 2, 3, 4 and 5; 2011 -2017. * Conducted pilot projects and guided the institutionalization of process assets for several companies. * Performed gap analysis of organizational processes identifying strengths and weaknesses. 2011 – 14. * Performed Standard CMMI Appraisal Method Process Improvement (SCAMPI) class B for companies at high maturity levels. 2011 - 2014 * ***Participated in the evaluation team of two SCAMPI A for companies in Mexico and Latin America.*** * Presented at SPI conferences (Software Engineering Process Group – Latin American, SEPG-LA, “Congreso Internacional Ingeniería Software y Aplicaciones,” (CIISA), and Capability Counts, CMMI Institute annual conference, 2011 -2017   **PSP** – Personal Software Process by Software Engineering Institute   * Taught "Personal Software Process, PSP,” “Team Member, TM,” and “Leading a Development Team, LDT” courses at several locations in Latin America. 2011 – 2014.   **TSP** – Team Software Process by Software Engineering Institute   * Coached software development teams that implements TSP in Mexico and Central America. 2011 – 13. * Coached the Engineering Process Group as a TSP – Services team, Guatemala. 2012 * Prepared organizations for their TSP evaluation. 2013   **Collaboration with the Software Engineering Institute** (SEI)   * Coached, with the SEI support, the first pilot project in Latin America for a team that implemented TSP for Services. 2011.   **Collaboration with the University** (Instituto Tecnológico Estudios Superiores Monterrey, ITESM)   * Taught “Project Management” course for the Computer Science Master’s program. 2011 - 2012 * Mentored four master students in their dissertations (Implementing CMMI Services; Development of a quality management system). 2011 – 2012. | |
| *Consultant European Software Institute Center de Mexico, at   Instituto Tecnológico Estudios Superiores Monterrey (ITESM) May 2004 – Dec. 2010* | |
| **SPI** – Software Process Improvement (SPI)   * Guided companies in their SPI programs. 2004 – 2010. * Adapted methodologies from the European Software Institute to small settings in Latin America. 2004 * Developed a workshop to manage and oversight SPI projects allowing managers and the Engineering Process Group (EPG) to handle organizational changes at numerous companies. 2005. * Supported the definition of the consultant approach for the Software Industry Excellence Center. 2004. * Conducted seminar for developers and senior managers in Guatemala, Cuba, and Mexico. 2005 – 10.   **CMMI** - Capability Maturity Model Integration (CMMI)   * Coordinated a CMMI implementation project for ten companies by providing common artifacts and handling workshops to share weaknesses and strengths. 2004 – 2005. * Taught more than 20 "Introduction to CMMI Development" and “CMMI Services” courses in Mexico and Latin America. 2005 - 2010 * Consulted more than ten CMMI implementation projects for companies in Mexico and Latin America at maturity levels 2, 3 and 4. 2004 - 2010. * Conducted pilot projects and guided the institutionalization of process assets for several companies. * Performed gap analysis of organizational processes identifying strengths and weaknesses. 2004 – 10. * Performed several Standard CMMI Appraisal Method Process Improvement (SCAMPI) class B for companies at maturity levels 2 and 3. 2006 - 2010 * ***Participated in the evaluation team of two SCAMPI A companies in Mexico and Latin America.*** * Talked at several SPI conferences (Software Engineering Process Group – Latin American, SEPG-LA, and Congreso Intern. Ingeniería Software y Aplicaciones, CIISA), Mexico & Latin Amer. 2006 -2010.   **Collaboration with the Software Engineering Institute** (SEI)   * Reviewed drafts of the Accelerated Improvement Method (AIM) with coaches of the Software Engineering Institute (SEI). 2009. * Coached, with the Software Engineering Institute support, the first pilot project in Latin America for a Process Improvement team that implemented the Software Engineering Institute (SEI) “Accelerated Improvement Method (AIM)”. 2010.   **Collaboration with the University** (Instituto Tecnológico Estudios Superiores Monterrey, ITESM)   * Supported Curricula development for the Software Engineering Mayor and the master’s program. 2010. * Taught requirements engineering seminar in Mexico and Peru. 2008 – 2010   **Collaboration with The Institute of Electrical and Electronics Engineers** (**IEEE, USA)**   * Member of the core committee for the “Certified Software Developer Professional” (CSDP) / “Certified Software Developer Associate (CSDA)” 2006 – present. * Supported the definition and implementation of the new IEEE certification “CSDA”. Reviewed the industry survey; identified the key areas and their depth; and participated in the exam definition and exam piloting. 2010. * Hosted a workshop for writing test question to update the CSDP exam in Guadalajara, Mexico. 2008 | |
| *Instructor Computer Science Department, University of Texas at El Paso (UTEP) Aug 2003 – May 2004* | |
| * Taught and developed material for the undergraduate courses in Software Engineering (a one-year senior project class) and Formal Languages. * Reviewed project artifacts such as Interview Report, Feasibility Report, Prototypes, Software Requirements Specification (SRS), Traceability Report, Architectural Design, Detailed Design with Protocols, Unit and Integration Test Plans, and Configuration Management Plan. | |
| *Research Assistant System & Software Engineering Affinity Laboratory, UTEP Aug 1999 – June 2003* | |
| * Contributed to the development of DynaMICs, a real-time monitor. * Co-developed an algorithm for the generation of path expressions for non-regular graphs from instrumented and optimized assembly code; contributed to the design of FasTLInC, a requirement traceability tool for integrity constraints. * Directed the definition and implementation of Property Specification (PROSPEC), a tool for elucidation and formal specification of software properties using patterns and composite propositions. | |
| *Research Appointment Real-time System Laboratory, University of Pennsylvania Summers 2002 & 2003* | |
| * Developed a mapping algorithm to translate software properties written in Future Interval Logic (FIL) to Meta Event Design Language (MEDL).   - Found inconsistencies in the implementation of Java-MaC, a real-time monitor implemented at   UPENN, and in the formal definition of MEDL.  - Proved that the mapping algorithm preserved the semantics of the software properties and that the   algorithm terminates when it receives a well written property in FIL for a given software pattern.   * Elicited and formally specified software properties using PROSPEC for a blood bank case study. | |
| *Internship AT&T Labs, Middle Town, New Jersey Summer 2001* | |
| * Established a template to organize AT&T Network Element commands and programmed network elements through the Netrac-NCI system. | |
| *Professor Instituto Tecnológico Estudios Superiores Monterrey (ITESM), Mexico City July 1996 – 1999* | |
| * Taught and developed material for undergraduate courses including Object Oriented Paradigm (OOP), Software Engineering, Programming Language C & C++, and Analysis & Design Techniques. * Lead a team to develop an Assembler Pre-Processor System and developed a Graphical Editor System for the Modularly Configured Attached Processor, created at UTEP and funded by National Science Foundation and its Mexican counterpart, CONACYT. Both tools feed a simulator to identify data-flow-bottleneck in architecture layouts of hundreds of microprocessors. * Customized hands-on seminars based on the needs of private companies in project planning, software requirements, software quality, validation and verification, and Unified Modeling Language (UML). | |
| *Consultant JONIMA, Mexico City Oct 1996 – May 1998* | |
| * Established a software development methodology for a Lotus Notes environment including scenarios with keywords that were translated in technical elements and facilitated automated effort estimation. | |
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| SOCIETIES & LANGUAGES | |
| * **IEEE Sr. Member** – September 2013 * Core Committee Member “Certified Software Developer Professional”, IEEE 2006– 2014 * **Corporate Advisory Board** representing UTEP, International Council in Systems Engineering (**INCOSE**), 2006 - present * Bilingual: English and Spanish | |

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| GRANTS & SPONSORED RESEARCH |
| * **Mondragon**, Oscar (**Principal**), Villanueva-Rosales, Natalia (Co-Principal), Heyman, Josiah M (Co-Principal), "CISE-MSI:RPEP:S&CC: Information Systems Meet Cultural Competencies (IS-CUCO): Enabling Data-Driven Decision-Making In Underserved Hispanic Populations," Sponsored by NSF through NORTHEASTERN ILLINOIS UNIVERSITY (UNIV), Federal, $390,634.00. – UTEP; $1,200,000 NEIU (October 1, 2021 - September 30, 2024). * Villanueva-Rosales, Natalia, **Mondragon**, Oscar, Bangert, Ashley S, Nunez-Mchiri, G, Cheu, Ruey Long Kelvin, Guerra, Araceli (Co-Principal), Yanez, Mary (Co-Principal), "SCC-IRG Track 2: Smart Social Connector: An Interdisciplinary, Collaborative Approach to Foster Social Connectedness in Underserved Senior Populations," Sponsored by NSF, $1,499,132.00. (Oct. 1, 2020 – Sep. 30, 2023). * Villanueva-Rosales, Natalia (Principal), Cheu, Ruey Long Kelvin (Co-Principal), **Mondragon**, Oscar (Co-Principal), “IRES: US-Mexico Interdisciplinary Research Collaboration for Smart Cities,” Sponsored National Science Foundation – Cybershare, $239,410 June 1, 2017 - May 31, 2021 * Tseng, Tzu-Liang (Bill) (Principal), **Mondragon**, Oscar (Co-Principal), "Model-Based Systems Engineering Boot Camp: An Initiative to Integrate Current Systems Engineering Transformations into Workforce Development," Sponsored by National Science Foundation, $100,000, through University of Texas Rio Grande Valley, DUE Div. of Undergraduate Education, $5,000, (Oct 1, 2019 - Oct 31, 2021). * Villanueva-Rosales, Natalia (Principal), Bangert, Ashley S (Co-Principal), **Mondragon**, Oscar (Co-Principal), Cheu, Ruey Long Kelvin (Co-Principal), Nunez-Mchiri, Guillermina (Co-Principal), "Understanding the Use of Technology in Senior Populations in El Paso during the COVID-19 pandemic," Sponsored by UTEP, $19,675.00. (June 1, 2020 - May 31, 2021). * Tseng, Tzu-Liang (Bill) (Principal), Salcedo, Oscar H, **Mondragon**, Oscar (Co-Principal), [Supply Chain Management - IT Infrastructure, Sponsored Research by Lockheed Martin Aeronautics, $132,833, April 11, 2016 - May 31, 2017.](https://www.digitalmeasures.com/login/utep/faculty/app/activities/instruments/453/screens/460243/records/216149891072?_s=0) |

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| SELECTED PUBLICATIONS |
| * A. Akundi, O. **Mondragon**, et al., "Online Model-based Systems Engineering (MBSE) Bootcamp: A Report on Two Day Workforce Development Workshop," 2022 IEEE International Systems Conference (SysCon), 2022, pp. 1-6, doi: 10.1109/SysCon53536.2022.9773856. * A. S. Bangert et al., "Using Technology to Teach Older Adults during the COVID-19 pandemic," 2022 IEEE Int. Smart Cities Conference (ISC2), 2022, pp. 1-7, doi: 10.1109/ISC255366.2022.9922123. * A. Akundi, W. Ankobiah, O. **Mondragon** and S. Luna, "Perceptions and the extent of Model-Based Systems Engineering (MBSE) use – An industry survey," 2022 IEEE International Systems Conference (SysCon), 2022, pp. 1-7, doi: 10.1109/SysCon53536.2022.9773894 * A. S. Bangert, G. Nunez-Mchiri, O.A. **Mondragon** et al., "The Use of Technology by Older Adults in El Paso, Texas during COVID-19: Purposes, Challenges, and Opportunities," 2022 IEEE International Smart Cities Conference (ISC2), 2022, pp. 1-7, doi: 10.1109/ISC255366.2022.9922423. * Akundi, A, **Mondragon**, O Model based systems engineering—A text mining based structured comprehensive overview. *Systems Engineering*. 2022; 25: 51– 67 <https://doi.org/10.1002/sys.21601>. * Neale A. Smith; Adriana C. Camacho; Edgar J. Escobedo; Jonatan M. Contreras; Oscar Mondragon; Natalia Villanueva-Rosales; Ruey Long Cheu; Victor M. Larios, A Safety Index for Smart Mobility using Real-Time Crowdsourced Data. 6th IEEE International Smart Cities Conf. (ISC2 2020), Virtual. * Victor M Garcia; Ruth P. Granados; Mario E. Medina; Luis Ochoa; Oscar A. **Mondragon**; Ruey Long Cheu; Natalia Villanueva-Rosales; Victor M. Larios Rosillo, [Management of Real-Time Data for a Smart Flooding Alert System](https://0-ieeexplore-ieee-org.lib.utep.edu/document/9239092/). 6th IEEE International Smart Cities Conference (ISC2 2020), Virtual. * Avila, J., Castro, U., Hernandez, M. A., Sustaita, C. V., Fuentes, S., Villanueva-Rosales, N., Larios, V.M., **Mondragon**, O., Cheu, R. L. Towards Smart Mobility During Flooding Events in Urban Areas using Crowdsourced Information. 5th IEEE International Smart Cities Conference (ISC2 2019), Casablanca, Morocco * Chavez, C. V., Ruiz, E., Gomez Rodriguez, A., Rivas Pena, I., Barba, S., Larios, V. M., Villanueva-Rosales, N., **Mondragon**, O., Cheu, R. L. Towards Improving Urban Mobility with Crowdsourcing Incident Data. 5th IEEE International Smart Cities Conference (ISC2 2019), Casablanca, Morocco. * **Mondragon**, O. and Jasso, R., “INCOSE Handbook V4 to CMMI Development V2.0 mapping,” The 29th Annual INCOSE Intl Symposium (IS2019), Orlando, FL, USA, 2019 * **Mondragon** O., Tapia, A., Moreno G., Chavira, V., Villaverde M., Tseng B., “A novel Approach to Improve Service and Software Systems Using Enhanced Service Agreement (ESA).” ISSE Annual Conference & Expo 2017, Pittsburgh, PA, May 2017. * **Mondragon** O., Thimiri J, and Smith E., “Experiments with Personal Ownership of Quality at the Univ. of Texas at El Paso,” IEEE Frontiers in Educ Conf. (FIE), El Paso, TX, Oct 22, 2015. * N. Villanueva-Rosales, R. L. Cheu, A. Gates, N. Rivera, O. **Mondragon**, S. C. C. Ferregut, C. Carrasco, S. Nazarian, H. Taboada, V. M. Larios, L. Barbosa-Santillan, M. Svitek, O. Pribyl, T. Horak, D. Prochazkova, "A collaborative interdisciplinary initiative for a smart cities innovation network", *2015 IEEE First Smart Cities Conference (ISC2)*, pp. 1-2, 2015. * Cheu, R. L., **Mondragon**, O., Nazarian, S., Carrasco, C. J., Gates, A., Cabrera, S. D., Villanueva-Rosales, N., Ferregut, C. M., Jimenez, H. A. T., Balal, E. (2015). Research Challenges toward the Implementation of Smart Cities in the United States.  Final Report DTRT12-G-UTC16.  Center of Transportation Infrastructure Systems, The University of Texas at El Paso. RR-28. * **Mondragon**, O. “Gestion de Procesos: Integrando TSP Y CMMI,” Software Guru Conocimiento en Práctica, No. 31, Mexico, Marzo - Abril, 2011, pp. 38-41. * **Mondragon**, O. A. and Edgar D. Fernández, “AIM Case Study: Moving from TSP to CMMI ML3,” 6th Team Software Process Symposium Proceedings, Pittsburgh, Pennsylvania, Sep. 22, 2010, pp. 39-44. * **Mondragon**, O. “Integrando TSP Y CMMI: Lo mejor de los dos mundos,” V Taller de Calidad en las Tecnologías de la Información y las Comunicaciones, Havana, Cuba, Feb. 9, 2011, * **Mondragon**, O., Gates, A., Roach, S., Mendoza, H., and Sokolsky, O., “Generating , Properties for Runtime Monitoring from Software Specification Patterns,” Int. Journal of Software Engineering and Knowledge Eng., Vol. 17, No. 1, pp. 107-126, World Scientific Publishing, Feb. 2007. * **Mondragon**, O., “Addressing Infrastructure Issues in Very Small Settings,” Proceedings of the First International Research Workshop for Process Improvement in Small Settings 2005, Special Report, CMU/SEI-2006-SR-001, Pittsburgh, PA, Jan. 2006, pp. 5-11. * Salamah, S., Gates, A., Roach, S., and **Mondragon**, O., “Verifying Pattern-Generated LTL Formulas: A Case Study,” 12th International SPIN Workshop, LNCS vol. 3639, Springer, San Francisco, CA, USA, August 22-24, 2005, pp. 200-220 * **Mondragon**, O., Gates, A., Mendoza, H., and Sokolsky, O., “Generating Properties for Runtime Monitoring from Software Specification Patterns,” Proceedings of the 17th International Software Engineering and Knowledge Engineering Conference (SEKE), Taipei, Taiwan, July 14 – 16, 2005. * **Mondragon**, O., and Gates, A., “Supporting Elicitation and Specification of Software Properties through Patterns and Composite Propositions,” International Journal of Software Engineering and Knowledge Engineering Conference, Vol. 14, No. 1, World Scientific Publishing, Singapore, Feb. 2004, pp. 21-41. * **Mondragon**, O., “Property Elicitation and Specification Process (Prospec),” International Conference on Software Engineering ICSE 03, Doctoral Symposium, Portland, OR, May 2003, pp. 765. * **Mondragon**, O., Gates, A., and Roach, S., “Prospec: Support for Elicitation and Formal Specification of Software Properties,” the Runtime Verification Workshop, ENTCS, 89(2), CO, USA, July 2003, 67-86. * **Mondragon**, O., Gates, A., Payne, M. and Roach, S., “Instrumentation of Intermediate Code for Runtime Verification,”28th Annual IEEE / NASA Software Engineering Workshop (SEW-28 2003), IEEE Computer Society, ISBN 0-7695-2064-2, Greenbelt, MA, USA.Dec 3-4, 2003 * **Mondragon**, O., Gates, A., and Kassem, F., “Automated Support for Property Specification Based on Patterns,” 15th International Conference SEKE, California, July 1-3, 2003, pp. 174-181. * **Mondragon**, O., Gates, A., Roach, S., “Composite Propositions: Toward Support for Formal Specification of System Properties,” Proceedings of the 27th NASA/IEEE Software Engineering Workshop, Greenbelt, MA, December 2002, pp. 67-74. * Gates, A., **Mondragon**, O. “FasTLInC: A Constraint-based Tracing Approach,” The Journal of System and Software, Vol. 63, Elsevier Science, Amsterdam, Netherlands, 2002, pp. 241-258. * Gates, A. Q., Roach, S., **Mondragon**, O., Delgado, N., “DynaMICs: Comprehensive Support for Run-Time Monitoring,” Runtime Verification Workshop 2001 (RV '01), Paris, France, July 2001, pp. 61-77 * Garcia, H., Gibson, G., Cabrera, S., **Mondragon**, O., “CAD Tools for the Modularly Configured Attached Processors,” Midwestern Symposium on Circuits and Systems, Las Cruces, N.M., Aug. 1999. |
| SELECTED CONFERENCES (Talks) |
| * Mondragon, O. and Jasso, R. Mapping CMMI V2.0 to INCOSE Systems Engineering Handbook V4,” Capability Counts 2019, CMMI Institute, Alexandria, VA, USA, April 30, 2019. * Mondragon, O. and Flores R., “Achieving product quality and team performance with TSP and CMMI,” Capability Counts 2017, CMMI Institute, Alexandria, VA, USA, May 16-17, 2017. * Mondragon, O., Saenz A., Flores R., Gallegos L, “AIM Case Study: Moving from TSP to CMMI ML3,” 10th Annual Software Engineering Institute Team Software Process Symposium, Mexico City, Mexico, Feb. 23, 2016. * Mondragon, O., “Construyendo Productos de Calidad: revisión personal contra revisión entre colegas,” 7to Congreso Internacional en Ingeniería de Software y sus Aplicaciones (CIISA 2012), Guadalajara, México, Aug. 13, 2013. * Mondragon, O., “Identificación, definición y uso de indicadores para la administración básica de proyectos,” 6to Congreso Internacional en Ingeniería de Software y sus Aplicaciones (CIISA 2012), Guadalajara, México, May 24, 2012. * Mondragon, O., “Integrando TSP Y CMMI: Lo mejor de los dos mundos,” V Taller de Calidad en las Tecnologías de la Información y las Comunicaciones, Habana, Cuba, Feb 9, 2011. * Mondragon, O., “Accelerated Improvement Method (AIM) - SEI,” 5to. Congreso Internacional en Ingeniería de Software y sus Aplicaciones (CIISA 2011), Guadalajara, México, May 26, 2011. * Mondragon, O., “Team Software Process for Services,” 5to. Congreso Internacional en Ingeniería de Software y sus Aplicaciones (CIISA 2011), Guadalajara, México, May 26, 2011. * Mondragon, O. and Willett, A. “Applying TSP for Services: Seven lessons Learned,” 6th Annual Software Engineering Institute Team Software Process Symposium, Atlanta, Georgia, Sep. 21, 2011. * Mondragon, O. and Fernández, E. “AIM Case Study: Moving from TSP to CMMI ML3,” 5th Annual Software Engineering Institute Team Software Process Symposium, Pittsburgh, Penn, Sep. 22, 2010. * Mondragon, O., “¿Cómo preparar a un Grupo de Ingeniería de Procesos (EPG) exitoso?,” 4to Congreso Internacional en Ingeniería de Software y sus Aplicaciones (CIISA 2009), Guadalajara, México. Sep. 09, 2009. * Mondragon, O., “Cómo prepararse para administrar un proyecto de mejora de procesos” Software Engineering Process Group Latin America, Mar de Plata, Buenos Aires, Nov. 14, 2008. * Mondragon, O., “Requirements Engineering Workshop,” Congreso Internacional en Ingeniería de Software y sus Aplicaciones (CIISA 2006), Guadalajara, México. Sep. 08, 2006. |