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## Institutions of Higher Education Attended

PHD, University of Southern California.

MSC, Sharif University of Technology.

BSC, Sharif University of Technology.

## Significant Professional Publications

*Book Chapters*

Asiabanpour, B., Hayasi, M.T. (2012). Application of feature recognition in uniform and adaptive slicing for the rapid prototyping and rapid tooling processes. *Computer Aided Design: Technology, Types and Practical Applications*. Nova Publishers.

Asiabanpour, B., Mokhtar, A., Houshmand, M. (2008). Rapid Manufacturing. *Collaborative Engineering: Theory and Practice*. Springer.

Asiabanpour, B., Khoshnevis, B. (2006). Chapter 8. *Rapid Prototyping: Theory and Practice*. Springer.

*Conference Proceedings*

Horner, R., Alvizo, E., Asiabanpour, B. (2018). Engineering Approach Used in Hydroponics Designs and Automation. Paper presented at International Conference on Environmental Science and Technology 2018 (ICEST2018), Houston, TX.

Ramirez, R., Casey, K., Silva, J., Asiabanpour, B. (2018). Feasibility Comparison of Passive and Active Optical Fiber Daylighting Systems Utilizing PMMA Optical Fiber. Paper presented at International Conference on Environmental Science and Technology 2018 (ICEST2018), Houston, TX.

Estrada, A., Downey, M., Asiabanpour, B. (2018). Natural Light Uniform Distribution for Indoor Plant Growth using Light Design Simulation Systems. Paper presented at IISE 2018, Orlando, FL, May 19-22, 2018.

Ownby, N., Asiabanpour, B. Reduction of Power Consumption in Atmospheric Water Generation. Paper presented at International Conference on Environmental Science and Technology 2018 (ICEST2018).

Asiabanpour, B., Estrada, A., Downey, M. (2018). Uniform Light Distribution Using Simulation Systems. Paper presented at ASEE-GSW, Austin, TX, 2018.

Ortiz, A., Asiabanpour, B., E. (2017). A pilot study measuring student attitude changes resulting from participating in a workforce development training program in green technology and practices., ASEE 2017 Annual Conference and Exposition. OH:.

Almusaied, Z., Asiabanpour, B. (2017). Atmospheric Water Generation: Technologies and Influential Factors. Paper presented at IISE2017, PA, 2017.

Tate, J., Navle, S., Asiabanpour, B. (2017). Electrical and mechanical properties of metal filled conductive material using fused deposition modeling. Paper presented at SFF, Austin, 2017.

Tate, J., Navle, S., Asiabanpour, B., Cerda, J., Huff, S., Glaser, B., Melhorn, K., Mitchel, M. (2017). Electrical and Mechanical Properties of PA11 Blended with Nanographene Platelets Using Industrial Twin-Screw Extruder for Fused Deposition Modeling. Paper presented at SAMPE, Seattle, 2017.

Hernandez, R., Slaughter, D., Whaley, D., Tate, J., Asiabanpour, B. (2016). Analyzing the Tensile, Compressive, and Flexural Properties of 3D Printed ABS P430 Plastic Based on Printing Orientation Using Fused Deposition Modeling. Paper presented at SFF, Austin, 2016.

Asiabanpour, B., Fuentes, J. (2016). Centrifugal Power Transmission Apparatus Design and Optimization using Dynamic Simulation. Paper presented at ASEE-GSW, 2016. ASEE-GSW 2016.

Asiabanpour, B., Almusaied, Z., Hawkes, N., Rainosek, K., Aslan, S. (2016). Optimization of the Solar Energy Harvesting Using Statistical Optimization. Paper presented at CSC'16-The 14th International Conference on Scientific Computing, Las Vegas, NV. Worldcomp 2016.

Asiabanpour, B., Sitienei, I., Ortiz, A. (2016). Technical Tour and Campus Visit to a Four Year University and Its Impact on The Decision of The Students from the Minority Community Colleges in Selecting a STEM Program as Their Field of Study and Career. Paper presented at CEIC 2016, Austin, TX. CEIC 2016.

Dimitriu, D., Bartels, K., Lewis, S., Asiabanpour, B. (2016). The re-energize undergraduate research program at our community college., ASEE 2016 Annual Conference and Exposition. New Orleans, LA:.

Asiabanpour, B., Dimitriu, D., Bartels, K., Lewis, S. (2016). The Reenergize Undergraduate Research Program at San Antonio Community College. Paper presented at ASEE 2016 Conference, LA. ASEE 2016, LA.

Asiabanpour, B., Ardis, A., Hawkes, N., Khodabakhsh, M., Mathis, S. (2015). Centrifugal Power Transmission Apparatus Design, Development, and Optimization. Paper presented at ASME 2015 International Mechanical Engineering Congress & Exposition-IMECE2015, Houston, TX.

Asiabanpour, B., Oritz, A., Aslan, S., Jimenez, J., Salamy, H., Kim, Y. (2015). Engaging Students in Environmental Learning and Awareness of Green Design Technologies and Careers through a Pre-Engineering Program. Paper presented at ASEE2015, WA, 2015.

Ortiz, A., Asiabanpour, B., Jimenez, J. A., Salami, H., Kim, Y.-J., Aslan, S. (2015). Engaging students in environmental learning and awareness of green design technologies and careers through a pre-engineering program. Paper presented at Proceedings of the American Society for Engineering Education (ASEE) Annual Conference, Seattle, Washington, United States, 2015.

Asiabanpour, B., Almusaied, Z., Salamy, H., Jimenez, J., Aslan, S. (2015). Solar Energy Generation: Roadblocks and Their Economically Viable Remedies. Paper presented at IERC2015, TN, 2015.

Asiabanpour, B., Almusaied, Z., Salamy, H., Aslan, S., Warren, J. (2015). Web-based Data Management System Design and Development for the Multisite Renewable Energy Research and Education Partnership. Paper presented at Worldcomp 2015: The 11th Int. Conference on Grid & Cloud Computing and Applications, Las Vegas, NV, 2015.

Asiabanpour, B., Aslan, S., Jimenez, J., Salamy, H., Cook, R. (2014). Constant Power Production and Harvesting Using Roof Ventilation Systems. Paper presented at FAIM 2014, San Antonio, TX, 2014.

Aslan, S., Asiabanpour, B., Jimenez, J. A., Salamy, H., Cook, R. (2014). Constant power production and harvesting using roof ventilation systems. Paper presented at FAIM 2014, San Antonio, Texas, United States, 2014.

Asiabanpour, B., Ardis, A., Alvarez Andrade, A., McNamara, J., Ahrens, A., Janysek, J., Humble, J. (2013). A systematic use of reverse engineering in evaluating the overall accuracy of the fabricated parts. Paper presented at 24th International Symposium on Solid Freefrom Fabrication (SFF), Austin, TX, 2013.

Asiabanpour, B. (2013). Integrating Global, Ethical, and Multicultural (GEM) Issues into the Manufacturing Engineering Senior Design Projects. Paper presented at TXNAME, TX, 2013.

Asiabanpour, B., Chen, H. (2012). Automated layer aligning and stacking system for the Fully Dense Freeform Fabrication Process. Paper presented at 3rd International Conference on Advances in Materials and Manufacturing Processes (ICAMMP 2012), China, 2012.

Asiabanpour, B., Hayasi, M. (2012). Conformed-to-CAD Design Sloped-Edge Adaptive Slicing. Paper presented at Solid Freeform Fabrication Symposium, Austin, TX, 2012.

Asiabanpour, B., Ameri, F., McArthur, C., Hayasi, M. (2011). A Web-based Framework For Semantic Supplier Discovery for Discrete Part Manufacturing. Paper presented at North American Manufacturing Research Conference (NAMRC) 39, OR, 2011.

Asiabanpour, B., Hayasi, M. (2011). Adaptive Direct Slicing and Machine Path Generation for the Fully Dense Freeform Fabrication (FDFF) Process with the Variable Layers. Paper presented at 22nd International Solid Freeform Fabrication (SFF) Symposium, Austin, TX, 2011.

Asiabanpour, B. (2011). Integrating research and teaching activities in manufacturing engineering education. Paper presented at High Impact Technology Exchange Conference (HI-TEC), San Francisco CA, 2011.

Asiabanpour, B., Conner, T. G., Loerwald, M., Hayasi, M. (2011). Layer Alignment and Lamination for the Fully Dense Freeform Fabrication (FDFF) Process. Paper presented at 22nd International Solid Freeform Fabrication (SFF) Symposium, Austin, TX, 2011.

Asiabanpour, B. (2010). A novel outreach to high school students by teaching them the engineering skills in a project-based approach. Paper presented at 2010 International College Teaching & Learning Conference, Orlando, FL, 2010.

Asiabanpour, B., Um, D., Tellers, M., Kurtz, M., Foor, D., McGregor, M. (2010). Micro Scale Silicon Dioxide Gear Fabrication by Bulk Micromachining process. Paper presented at IEEE-NEMS 2010, Xiamen, China, 2010.

Asiabanpour, B., Um, D., Jimenez, J., Stapleton, W. (2010). Second and final year of the NSF REU grant: Micro/Nano Assembly Workcell Via Micro Visual Sensing and Haptic Feedback. Paper presented at NSF Engineering Education Awardees Conference, Reston, VA, 2010.

Asiabanpour, B., Tellers, M., Kurtz, M., Foor, D., McGregor, M., Um, D. (2010). Thin film silicon dioxide micro-scale parts release by Ethylenediamine-Pyrocatechol-Water solution. Paper presented at FAIM 2010, Eastbay, CA, 2010.

Asiabanpour, B., Stapleton, W., Stern, H., Gourgey, H. (2009). A Novel Engineering Outreach to High School Education. Paper presented at Imagining and Engineering Future CSET Education, 2009 Frontiers in Education (FIE) Conference, San Antonio, TX, 2009.

Um, D., Asiabanpour, B., Jimenez, J. A. (2009). Development of a micro/nano assembly workcell via micro visual sensing. Paper presented at Proc. of the American Society of Engineering Education Annual Conference, Austin, Texas, United States, 2009.

Asiabanpour, B., Vejandla, D. T., Novoa, C. M., Jimenez, J., Fisher, R. (2009). Optimizing the quality of parts manufactured by the automated plasma cutting process using response surface methodology. *International Solid Freeform Fabrication Symposium*. Paper presented at International Solid Freeform Fabrication Symposium, Austin, Texas, United States, 2009. (pp. 47-60).

Asiabanpour, B., Vejandla, D., Fischer, R., Jimenez, J., Novoa, C. (2009). Optimizing the Quality of the Parts Made by the Automated Plasma Cutting Process by the Response Surface Methodology. Paper presented at Solid Freeform Symposium, Austin, TX, 2009.

Asiabanpour, B., McGregor, M., Mahlke, H., Dozier, S., Um, D. (2009). Producing Micro Scale Silicon Dioxide Gears by Bulk Micro Machining Process. Paper presented at SME/NAMRC 37, 2009.

Asiabanpour, B., Um, D., Jimenez, J. (2009). Undergraduate Research Project: Development of a Micro/Nano Assembly Workcell Via Micro Visual Sensing. Paper presented at ASEE 2009 conference, Austin, TX, 2009.

Asiabanpour, B., Melbye, J., Melbye, V., Jensen, E., Shaw, J. (2008). Freeform fabrication assisting forensic scientists in identifying unidentified body remains. Paper presented at Solid Freeform Fabrication (SFF) Symposium, Austin, TX, 2008.

Asiabanpour, B. (2008). Integrating Rapid Prototyping into Product and Process Development. Paper presented at Solid Freeform Fabrication (SFF) Symposium, Austin, TX, 2008.

Asiabanpour, B., Hayasi, M. (2008). Machine Path Generation Using Direct Slicing from Design-by-Feature Solid Model for Rapid Prototyping. Paper presented at Solid Freeform Fabrication (SFF) Symposium, Austin, TX, 2008.

Asiabanpour, B., Subbareddy, C., Kolichala, S., VanWagner, L. (2007). Computer Aided Energy and Material Savings for the SIS Process. Paper presented at North American Manufacturing Research Conference (NAMRC) 35, Ann Arbor, MI, 2007.

Asiabanpour, B., Subbareddy, C. (2007). Manufacturing engineering capstone design course: Moving with the real world. Paper presented at American Society for Engineering Education (ASEE) Annual Conference & Exposition, Honolulu, HI, 2007.

Asiabanpour, B., VanWagner, L., Kolichala, S., Jensen, E., Tseng, A., Lee, T., McCormick, T. (2006). An array-based heating system design and development for the SIS process. Paper presented at Industrial Engineering Research Conference (IERC), Orlando, FL, 2006.

Asiabanpour, B., Sriraman, V. (2005). Computer Aided Tool Design. Paper presented at “Looking Forward: Innovations in Manufacturing Engineering Education”, 3rd SME/CIRP International Conference on Manufacturing Engineering Education, San Luis Obispo, CA, 2005.

Asiabanpour, B., Um, D., Sriraman, V., Tseng, A., Mata, J., Wahed, N. (2005). Mobile Paving System: A New Large Scale Freeform Fabrication Method. Paper presented at 16th International Solid Freeform Fabrication (SFF) Symposium, Austin, TX, 2005.

Asiabanpour, B., Cano, R., VanWagner, L., McCormick, T., Wasik, F. (2005). New Design for Conserving Polymer Powder for the SIS Rapid Prototyping Process. Paper presented at 16th International Solid Freeform Fabrication (SFF) Symposium, Austin, TX, 2005.

Asiabanpour, B., Wasik, F., Cano, R., Jayapal, V., VanWagner, L., McCormick, T. (2005). New waste-saving heater design for the SIS Rapid Prototyping Process. Paper presented at Industrial Engineering Research Conference (IERC), Atlanta, GA, 2005.

Asiabanpour, B., Khoshnevis, B., Palmer, K. (2004). Systematic approach for RP processes development. Paper presented at Industrial Engineering Research Conference (IERC), Houston, TX, 2004.

Asiabanpour, B., Sriraman, V. (2004). Teaching Integrated Product and Process Design. Paper presented at International Conference on Engineering Education (ICEE2004), Gainesville, FL, 2004.

Asiabanpour, B., Khoshnevis, B. (2003). A new memory efficient tool path generation method for applying very large STL files in vector-by-vector rapid prototyping processes. Paper presented at Computer and Industrial Engineering, San Francisco, CA, 2003.

Asiabanpour, B., Khoshnevis, B., Palmer, K., Mojdeh, M. (2003). Advancements in the Selective Inhibition of Sintering Process Development. Paper presented at 14th International Symposium on Solid Freefrom Fabrication (SFF), Austin, TX, 2003.

Asiabanpour, B., Palmer, K., Khoshnevis, B. (2003). Performance factors in the Selective Inhibition of Sintering process. Paper presented at Industrial Engineering Research Conference (IERC), Portland, OR, 2003.

Asiabanpour, B., Khoshnevis, B., Mojdeh, M., Koraishy, B., Palmer, K., Deng, Z. (2002). SIS – A new SFF method based on powder sintering. Paper presented at 13th International Symposium on Solid Freefrom Fabrication (SFF), Austin, TX, 2002.

Asiabanpour, B. (1999). CAMAIRIC: A Computer Software in Computer Aided Manufacturing. Paper presented at The 6th Annual Industrial Engineering Conference, Tehran, Iran, 1999.

Asiabanpour, B. (1998). Sharif: An Expert Process Planning System. Paper presented at 1st International ARC (Automation-Robotics-Control) Conference, Tabriz, Iran, 1998.

*Journal Articles*

Asiabanpour, B., Subbareddy, C., Kolichala, S., VanWagner, L. (2007). Computer Aided Energy and Material Savings for the SIS Process. *Society of Manufacturing Engineers/North American Manufacturing Research Institution (SME/NAMRI) Transaction, 35*, 465-471.

Asiabanpour, B. (1998). Computer Aided Manufacturing. *Industrial Engineering Magazine (in Farsi)*.

*Other*

Loftis, N., Asiabanpour, B. (2018). *Solar powered passive desalination using a reflective parabolic dish*.

Asiabanpour, B. [Review of the book *Additive Manufacturing – Developments in Training and Education (selected chapters)*, by Eujin Pei].

Asiabanpour, B. (2017). *EverGreen USDA: year 1*.

Asiabanpour, B. (2017). *Re-energize MSEIP Special Project: year 3*.

Asiabanpour, B., Fuentes, J., Hawkes, N. (2016). *Application of the Dynamic Simulation in Product Development*. TXUGRC.

Asiabanpour, B., Rainosek, K. (2016). *Developing an Android App for the Research and Education Projects*. TXUGRC.

Asiabanpour, B., Hawkes, N., Mathis, S., Sriraman, V., Ortiz, A. (2016). *Space Box: Imitation of the NASA's One Year in Space Mission*. Texas State Undergraduate Research Conference.

Asiabanpour, B., Sitienei, I., Ortiz, A. (2016). *A Study on The Impact of a Week-Long Renewable Energy Training for The Faculty in Minority Community Colleges*. CEIC 2016.

Asiabanpour, B. (2016). *Re-energize MSEIP Special Project: Year 2*.

Asiabanpour, B., Aslan, S. (2016). *A BRIDGE Program to Engage, Sustain and Empower Women and Minorities in STEM*. NACTA Conference.

Asiabanpour, B., Almusaied, Z., Aslan, S. (2015). *An experimental investigation of the environmental and system setting factors affecting the photovoltaic panel energy output efficiency*. IRCGS.

Asiabanpour, B., Fahami, A., Zamora, A., Dabbaghianamiri, M. (2015). *An investigation on the effects of the metal surface coating factors on the mechanical properties of the parts fabricated by the fully dense freeform fabrication process*. IRCGS.

Asiabanpour, B. (2015). [Review of the book *Solid modeling and Applications: Rapid Prototyping, CAD and CAE Theory*, by Dugan Um]. Springer.

Asiabanpour, B. (2015). *Re-energize MSEIP Special Project- Mid year*.

Asiabanpour, B. (2015). *Re-energize MSEIP Special Project: Year 1*.

Novoa, C., Alkusari, Asiabanpour, B. (2012). *Using Multiple Imputation on Design of Experiments with Multiple Responses*. ISERC.

Asiabanpour, B. (2012). [Review of the book *Practical Handbook of Manufacturing Processes by A. Kamrani*]. Wiley.

Asiabanpour, B. (2012). [Review of the book *Intelligent Transportation and Evacuation Planning by A. Kamrani*]. Springer.

Asiabanpour, B., Um, D. (2011). *Micro/Nano Assembly Workcell Via Micro Visual Sensing and Haptic Feedback*.

Asiabanpour, B., Hayasi, M. (2010). *Adaptive Layering Technique for the Fully Dense Freeform Fabrication (FDFF) Process*.

Asiabanpour, B., Kurtz, M., Tellers, M., Foor, D., McGregor, M., Um, D. (2010). *Micro scale silicon dioxide part fabrication by EPW etch agent*.

Asiabanpour, B. (2010). [Review of the book *Engineering Economy Fundamentals by J. White, K. Case, and D. Prett*]. John Wiley and Sons.

Asiabanpour, B., Um, D. (2010). *Micro/Nano Assembly Workcell Via Micro Visual Sensing and Haptic Feedback*.

Asiabanpour, B., Gourgey, H., Crawford, R. (2009). *Case Study of Manor New Tech High School: Promising Practices for Comprehensive High Schools*.

Asiabanpour, B., Um, D. (2009). *Micro/Nano Assembly Workcell Via Micro Visual Sensing and Haptic Feedback*.

Asiabanpour, B. (2008). [Review of the book *Engineering Economics by S. Robinson*]. John Wiley and Sons.

Asiabanpour, B., Bubbela, C., Preece, J., Jimenez, J. (2008). *Analysis of Applied Materials Chamber Assembly Process*.

Asiabanpour, B. (2007). [Review of the book *Facilities Planning*, by Tompkins, White, Bozer, Tanchoco]. John Wiley and Sons.

Asiabanpour, B., Mata, J., Wahed, N., Morgan, J. (2006). *Design and development of an adjustable curb making machine*.

Asiabanpour, B. (2006). [Review of the book *Principles of Engineering Economic Analysis*, by John White, Ken Case, David Pratt]. John Wiley and Sons.

Asiabanpour, B., Tavakoli, A. (1999). *An Introduction to Robot Technology*. Tehran:.

Asiabanpour, B., Yousefzadeh, J. (1998). *Learning AutoCAD 14*. Tehran:.

*Refereed Journal Articles*

Almusaied, Z., Asiabanpour, B., Aslan, S. (2018). Optimization of Solar Energy Harvesting: An Empirical Approach. *Journal of Solar Energy, 2018*.

Asiabanpour, B., Estrada, A., Ramirez, R., Downey, M. (2018). Optimizing Natural Light Distribution for Indoor Plant Growth Using PMMA Optical Fiber: Simulation and Empirical Study. *Journal of Renewable Energy*.

Asiabanpour, B., Almusaied, Z., Aslan, S., Hawkes, N., Rainosek, K., Lee, H., Leake, E., Fuentes, J., Bland, A., Mitchell, M. (2017). Fixed versus Sun Tracking Solar Panels: An Economic Analysis. *Clean Technologies and Environmental Policy (CTEP), 19*, 1195–1203.

Asiabanpour, B., Fuentes, J., Hawkes, N. (2017). Utilizing Dynamic Simulation in Design, Development, and Optimization of a Centrifugal-Powered Transmission Apparatus. *International Journal of Computer Applications in Technology, 56*(1), 58-64.

Davidson, K., Asiabanpour, B., Z. (2017). Applying Biomimetic Principles to Thermoelectric Cooling Devices for Water Collection. *7*(3), 27-35.

Asiabanpour, B. (2015). Integrating Global, Ethical, and Multicultural (GEM) Issues into the Manufacturing Engineering Senior Design Projects. *Journal of Diversity Management (JDM), 10*, 1-10.

Asiabanpour, B., Ardis, A., Andrade, A. A. (2014). A systematic use of reverse engineering in evaluating the overall accuracy of the fabricated parts. *International Journal of Rapid Manufacturing-Special issue: Remanufacturing, 4*, 165–178.

Asiabanpour, B., Hayasi, M. (2014). Close to CAD model curved-form adaptive slicing. *Rapid Prototyping Journal, 20*(2).

Asiabanpour, B., Hayasi, M. (2013). A New Adaptive Slicing Approach for the Fully Dense Freeform Fabrication (FDFF) Process. *Journal of Intelligent Manufacturing (JIM), ISI Journal, 24*(4), 683-694.

Asiabanpour, B., Chen, H. (2013). Automated layer aligning and stacking system for the Fully Dense Freeform Fabrication Process. *Advanced Materials Research, 655-657*, 299–315.

Asiabanpour, B., Hayasi, M. (2013). Layer Alignment Tooling and Bonding Process for the Fully Dense Freeform Fabrication (FDFF) Adaptive Layering Process. *International Journal of Rapid Manufacturing (IJRapidM), 3*, 172-194.

Asiabanpour, B., Hayasi, M.T. (2013). Optimizing the brazing-based metal bonding for the Fully Dense Freeform Fabrication Process by Design of Experiments. *ASTM- Materials Performance and Characterization (MPC) Journal, 2*(1), 360-370.

Asiabanpour, B., Ameri, F., McArthur, C., Hayasi, M. (2011). A Web-based Framework For Semantic Supplier Discovery for Discrete Part Manufacturing. *SME/NAMRC 39 Transaction*.

Asiabanpour, B., Wilson, T. (2011). Building good quality prototypes for forensic face reproduction from low quality laser scanned files. *International Journal of Rapid Manufacturing (IJRapidM), 2*, 92-103.

Asiabanpour, B., Um, D., Foor, D., Kurtz, M., Tellers, M., McGregor, M.T (2011). Crystallographic edge removal of silicon dioxide micro-parts in bulk micromachining. *International Journal of Rapid Manufacturing, 2*, 299–315.

Asiabanpour, B., Deschamp-Benke, N., Wilson, T., Loerwald, M., Gourgey, H. (2010). "Bridging" Engineering & Art: An Outreach Approach for Middle and High School Students. *American Journal of Engineering Education (AJEE), 1*.

Asiabanpour, B. (2010). A novel outreach to high school students by teaching them the engineering skills in a project-based approach. *Contemporary Issues in Education Research (CIER) Journal, 3*, 1-12.

Asiabanpour, B., Gourgey, H., Fenimore, C. (2010). Case Study of Manor New Tech High School: Promising Practices for Comprehensive High Schools. *American Journal of Engineering Education (AJEE), 1*.

Asiabanpour, B., Stapleton, W., Um, D., Jimenez, J. (2010). Challenges and Success in the REU 'Micro/nano Assembly Workcell via Micro Visual Sensing'. *American Journal of Engineering Education (AJEE), 1*.

Asiabanpour, B., Um, D., Jimenez, J. (2009). A Flexible Micro Manufacturing System for Micro Parts. *Journal of Advanced Manufacturing Systems (JAMS), 8*, 137-152.

Um, D., Asiabanpour, B., Jimenez, J. (2009). A flexible micro manufacturing system for micro parts assembly via micro visual sensing and EAP based grasping. *Journal of Advanced Manufacturing Systems, 8*, 137- 152.

Asiabanpour, B., Mokhtar, A., Hayasi, M., Kamrani, A., Nasr, E. (2009). An Overview on Five Approaches for Translating CAD Data into Manufacturing Information. *Journal of Advanced Manufacturing Systems (JAMS), 08*, 89-114.

Asiabanpour, B., Hayasi, M. (2009). Extraction of manufacturing information from design-by-feature solid model through feature recognition. *International Journal of Advanced Manufacturing Technology (IJAMT)- ISI Journal, 44*(11), 1191-1203.

Asiabanpour, B. (2009). Freeform fabrication assisting forensic scientists in identifying unidentified body remains. *Rapid Product Development magazine*.

Asiabanpour, B., Hayasi, M. (2009). Machine Path Generation Using Direct Slicing from Design-by-Feature Solid Model for Rapid Prototyping. *International Journal of Advanced Manufacturing Technology (IJAMT)- ISI Journal, 45*(2), 170-180.

Asiabanpour, B., Vejandla, D., Jimenez, J., Novoa, C. (2009). Optimizing the Automated Plasma Cutting Process by Design of Experiment. *International Journal of Rapid Manufacturing, 01*, 19-40.

Asiabanpour, B., Vejandla, D. T., Jimenez, J., Novoa, C. M. (2009). Optimizing the Automated Plasma Cutting Process by Design of Experiments. *International Journal of Rapid Manufacturing, 1*(1), 19-40.

Asiabanpour, B., McGregor, M., Mahlke, H., Dozier, S., Um, D. (2009). Producing Micro Scale Silicon Dioxide Gears by Bulk Micro Machining Process. *SME/NAMRC 37*.

Asiabanpour, B., Subbareddy, C., Kolichala, S., VanWagner, L. (2008). The Heat Element Status Assignment Algorithms for the Selective Inhibition of Sintering Process Array-based Heating System. *International Journal of Computer Application in Technology (IJCAT), 32*, 104-109.

Asiabanpour, B., Cano, R., Subbareddy, C., Kolichala, S., VanWagner, L., McCormick, T. (2007). A new heater design by radiation modeling and a new polymer waste-saving mechanism design for the SIS process. *Rapid Prototyping Journal, 13*, 136-147.

Asiabanpour, B. (2006). Advancements in the Selective Inhibition of Sintering Process Development. *Virtual and Physical Prototyping Journal, 1*, 43-52.

Asiabanpour, B., Palmer, K., Khoshnevis, B. (2006). Development of a Rapid Prototyping System Using Response Surface Methodology. *Journal of Quality and Reliability Engineering International, 22*(8), 919-937.

Asiabanpour, B., Sriraman, V. (2006). Tool Design for a Competitive World. *UNESCO World Transactions on Engineering and Technology Education, 5*, 187-190.

Asiabanpour, B., Sriraman, V. (2005). Teaching Integrated Product and Process Design. *UNESCO World Transactions on Engineering and Technology Education, 4*, 181-185.

Asiabanpour, B., Palmer, K., Khoshnevis, B. (2004). An Experimental Study of Surface Quality and Dimensional Accuracy for Selective Inhibition of Sintering. *Rapid Prototyping Journal, 10*, 181-192.

Asiabanpour, B., Khoshnevis, B. (2004). Machine Path Generation for the SIS Process. *Journal of Robotics and Computer Integrated Manufacturing, 20*(3), 167-175.

Asiabanpour, B., Khoshnevis, B., Mojdeh, M., Palmer, K. (2003). SIS – A New SFF Method Based on Powder Sintering. *Rapid Prototyping Journal, 9*, 30-36.

Asiabanpour, B. (1998). Computer Aided Design. *Industrial Engineering Magazine (in Farsi)*.

Asiabanpour, B. (1998). Computer Aided Process Planning. *Industrial Engineering Magazine (in Farsi)*.