#### THE UNIVERSITY OF BRITISH COLUMBIA

#### **Publications Record**

SURNAME: MEECH

FIRST NAME: JOHN

MIDDLE NAME(S): ATHOL

Date: May 21, 2014.

Refereed Publications (228)	
Journals:	57
Conference Proceedings:	162
Other:	9
Non-Refereed Publications (7)	
Journals:	3
Other:	4
Books (33)	
Authored:	11
In Edited:	21
Patents (1)	1
Special Copyrights (10)	
Software:	7
Course Notes:	3
In Progress: (1)	1

#### 1. REFEREED PUBLICATIONS

#### (a) Journals

- 57. M.M. Veiga, G. Angeloci-Santos, J.A. Meech, 2014. "<u>Review of Barriers to Reduce Mercury Use in Artisanal</u> <u>Gold Mining</u>", Journal of the Extractive Industries and Society, Vol. 2, April, (in press), pp.22. <<u>dx.doi.org/10.1016/j.exis.2014.03.004</u>>.
- 56. V. Wilson-Corral, C.W.N. Anderson, M.C. Rodriguez-Lopez, J.I. Sarmiento-Sanchez, and J.A. Meech, 2014. "Initial exploration of two areas of Mexican gold tailings as a potential resource for gold phytomining operations", International Journal of Mining, Reclamation, and Environment, accepted, January 2014; pp.18.
- 55. A.J. Hunt, C.W.N. Anderson, N. Bruce, A.M. García, T. Graedel, M. Hodson, J.A. Meech, N. Nassar, H.L. Parker, E.L. Rylott, K. Sotiriou, Q. Zhanga and J.H. Clark, 2014. "<u>Phytoextraction as a tool for green</u> <u>chemistry</u>", published online (Jan. 9, 2014) in Green Processing and Synthesis, (GREENPS), 3, 3-22. <a href="https://www.phytocat.org/PDFs/gps-2013-0103.pdf">www.phytocat.org/PDFs/gps-2013-0103.pdf</a>>
- 54. L. Mohammadi and J.A. Meech, 2013. "<u>AFRA Heuristic expert system to assess the atmospheric risk of sulphide waste dumps</u>", Journal of Loss Prevention in the Process Industries, 26(1), 261–271.
- 53. M. Nadin, 2012. "Book Review: Concepts and fuzzy logic", Inter. J. of General Syst., 41(8), Sept. 24, 860-867. (comments on J.A. Meech, 2011, '<u>How Some Simple Fuzzy-Thinking Might have Prevented the Challenger</u> <u>Accident</u>,' Apr. 7, 2011, BISC discussion group. <<u>www.jmeech.mining.ubc.ca/Fuzzy Thinking and the Space</u> <u>Shuttle.pdf</u>>)
- 52. J. Parreira and J.A. Meech, 2011. "<u>An interactive simulation model of human drivers to study autonomous</u> <u>haulage trucks</u>", Procedia Computer Science, 6, 118-123.
- 51. R.N. Sousa, M.M. Veiga, J. Meech, J. Jokinen, A.J. Sousa, 2011. "<u>A simplified matrix of environmental</u> impacts to support an intervention program in a small-scale mining site", J. Cleaner Product., 19(6), 580-58.
- J. Parreira and J.A. Meech, 2011. "<u>Autonomous Haulage Systems Justification and Opportunity</u>", Autonomous and Intelligent Systems: Second International Conference, AIS 2011, LNAI6752, Eds. M. Kamel, F. Karray, W. Gueaieb, A. Khamis, Springer-Verlag, Berlin, 63-72.
- 49. S. Sadrai, J.A. Meech, D. Tromans, F. Sassani, 2011. "Energy efficient comminution under high velocity impact fragmentation", Minerals Engineering 24, 1053–1061.
- 48. L Mohammadi and J.A. Meech, 2011. "<u>Confined Space Risk at Mine Reclamation Sites</u>", J. Reclamation Practice, accepted for publication, Feb., pp. 31.
- 47. M. Ghomshei, J.A. Meech and R. Naderi, 2008. "<u>War, Peace, and Fuzzy Logic</u>", Cybernetics and Systems, Feb.; 39(2), 113-135.

- 46. M. Ghomshei, J.A. Meech, and R. Naderi, 2008. "<u>Fuzzy Logic in a Postmodern Era</u>", M. Nikravesh et al. (Eds.); Forging the New Frontiers: Fuzzy Pioneers II, Springer-Verlag, Berlin-Heidelberg, 2, 363-376.
- 45. S. Sadrai, J.A. Meech, M. Ghomshei, F. Sassani, D. Tromans, 2006. "<u>Influence of impact velocity on</u> <u>fragmentation and the energy efficiency of comminution</u>", Inter. Journal of Impact Engineering, 33, 723-734.
- J.A. Meech, M. McPhie, K. Clausen, Y. Simpson, B. Lang, E. Campbell, S. Johnstone, P. Condon, 2006. <u>"Britannia Beach - Transformation of a Derelict Mine Site into a Sustainable Community</u>", Journal of Cleaner Production: Special Issue on Mining, 14, 349-365.
- 43. F.N. Moreno, C.W. Anderson, R.B. Stewart, B.H. Robinson, M.M. Ghomshei, J.A. Meech, 2005. "<u>Induced</u> <u>plant uptake and transport of mercury in the presence of sulphur-containing ligands and humic acid</u>", New Phytologist, May;166(2), 445-454.
- 42. J.A. Meech, 2005. "<u>Re: Joly, Majerus, Westaway, 2005. The effect of diethylenetriamine on the formation of Cu2+ -, Ni2+ -, and Fe3+ -amyl xanthate ion complexes</u>", Minerals Engineering, 17(9-10), 1023-1036.
- 41. C. Anderson, F. Moreno, F. Geurts, C. Wreesmann, M. Ghomshei and J. Meech, 2005. "<u>A comparative</u> <u>analysis of gold-rich plant material using various analytical techniques</u>", Microchemical Journal, 81(1), 81-85.
- 40. F.N. Moreno, C. Anderson, R.B. Stewart, B.H. Robinson, R. Nomura, M. Ghomshei, and J.A. Meech, 2005. "Effect of Thioligands on Plant-Hg Accumulation and Volatilisation from Mercury-contaminated Mine Tailings", Plant and Soil Journal, 275(1&2), 233-246.
- 39. C. Anderson, F. Moreno, and J. Meech, 2005. "<u>A field demonstration of gold phytoextraction technology</u>", Minerals Engineering, 18, 385–392.
- 38. J.A. Meech, M.Scoble, W.Wilson, R.Pakalnis, B.Klein, M.Veiga, R.Hall, M.Ghomshei, S.Baldwin, L.Lavkulich, C.Suttle, J.Mortensen, D.Weis, L.Smith, K.Hall, D.Dixon, D.Tromans, D.Dreisinger, S.Dunbar, M.Pawlik, M.Morin, W.Cullen, K.Teschke, G.Gibson, R.Ulansky, J.Hinton, B.Wickland, Y.Bissiri, B.Lang, 2003. "<u>CERM3:</u> <u>The Centre for Environmental Research in Minerals, Metals, and Materials and its Contribution to Providing</u> <u>Sustainable Research for the Mining Industry</u>", CIM Bulletin, 96(1067), 72-81.
- 37. D. Tromans and J.A. Meech, 2003. "Fracture toughness and surface energies of covalent minerals: theoretical estimates", Minerals Engineering; 17(1), 1-15.
- 36. D. Tromans and J.A. Meech, 2002. "Fracture toughness and surface energies of minerals: theoretical estimates for oxides, sulphides, silicates and halides", Minerals Engineering; 15(12), 1027-1041.
- 35. D. Tromans and J.A. Meech, 2002. "<u>Enhanced dissolution of minerals: modeling conjoint effects of particle size and microtopography</u>", Minerals Engineering; 15(5), 263-269.
- 34. D. Tromans and J.A. Meech, 2001. "Enhanced dissolution of minerals: stored energy, amorphism and mechanical activation", Minerals Engineering; 14(11), 1359-1377.
- 33. V.M. Torres, A. Chaves and J.A. Meech, 2000. "IntelliGold: an Expert System for Gold Plant Process Design"; Cybernetics and Systems; 31(4), 387-397.
- 32. M.M. Ghomshei and J.A. Meech, 2000. "<u>Application of Fuzzy Logic in Environmental Risk Assessment: Some</u> <u>Thoughts on Fuzzy Sets</u>"; Cybernetics and Systems; 31(3), 317-332.
- 31. D. Tromans and J.A. Meech, 1999. "<u>Enhanced dissolution of minerals : microtopography and mechanical activation</u>"; Minerals Engineering; 12(4), 609-625.
- 30. S. Kumar, J.A. Meech, I.V. Samarasekera, J.K. Brimacombe, and V. Rakocevic, 1999. "Development of an intelligent mould for online detection of defects in steel billets"; Iron & Steelmaker, ISS, 26(4), 269-284.
- 29. V.M. Torres, A.P. Chaves and J.A. Meech, 1999, "Process Design for Gold Ores: a Diagnostic Approach", Minerals Engineering, 12(3), 245-254.
- 28. J.H. Zietsman, S. Kumar, J.A. Meech, I.V. Samarasekera, J.K. Brimacombe, 1998. "Development of a neural network to simulate heat transfer in a continuously-cast steel billet"; Iron and Steelmaker, 25(6), 476-83.
- 27. J.A. Meech and M.M. Veiga, July, 1998. "<u>An Adaptive Fuzzy Model to Evaluate Technological Evolution</u>"; Minerals Engineering, 11(7), 597-604.
- 26. J.A. Meech, M.M. Veiga, and D. Tromans, 1998. "<u>Reactivity of Mercury from Gold Mining Activities in</u> <u>Darkwater Ecosystems</u> "; *AMBIO*, 26(2), 92-98.
- 25. M.M. Veiga, J.A. Meech and D. Tromans, 1997. "<u>Emission and Stability of Mercury in the Amazon Region</u>"; Canadian Metallurgical Quarterly, Special Volume on Waste Treatment Technology, 36(4), 231-239.
- 24. C.F. Legzdins, I.V. Samasekera and J.A. Meech, 1997. "<u>MMCx an expert system for metal-matix composite</u> <u>selection and design</u>"; Canadian Metallurgical Quarterly, 36(3), 177 202.
- 23. D. Tromans, J.A. Meech and M.M. Veiga, 1996. "<u>Natural Organics and Environmental Stability of Mercury:-</u> <u>Electrochemical Considerations</u>"; Journal of Electrochemical Society, 143(6), June, L123-L126.
- 22. M.M. Veiga and J.A. Meech, 1995. "<u>HgEX A Heuristic System on Mercury Pollution in the Amazon.</u>"; *Water, Air & Soil Pollution.* 80, 123-132.

- 21. M.M. Veiga and J. Meech, 1995. "<u>A Review of Clean-up Techniques for Mercury Pollution from Mining</u> <u>Activities in the Amazon</u>"; *AMBIO*, 24(6), 200-203.
- 20. J.A. Meech, M.M. Veiga and R. Hypolito, 1995. ""<u>Educational Measures to Address Mercury Pollution in the Amazon</u>"; *AMBIO*, 24(4), 216-220.
- 19. M.M. Veiga, J. Meech and N. Oñate, 1994. "Mercury Pollution from Deforestation"; Nature, 368, 816-817.
- S. Kumar, J.A. Meech, I.V. Samarasekera and J.K. Brimacombe, 1993. "<u>Knowledge Engineering an Expert</u> <u>System to Trouble-Shoot Quality Problems in Continuous Casting of Steel Billets</u>"; Iron & Steelmaker, ISS, 20(9), 29-36.
- 17. J.A. Meech and L.A. Jordon, 1993. "<u>A Self-Tuning Fuzzy Logic Controller</u>", Minerals Eng., 6(2), 119-131.
- 16. P. Benford and J. Meech, 1992. "Expert Systems for Real-Time Applications", Min. Eng. 5(10-12), 1325-34.
- 15. J.A. Meech, 1990. "Expert Systems for Teaching and Training", Mineral Engineering, 3(1), 15-30.
- 14. J.A. Meech and D. Hyma, 1989. "<u>Preliminary Tests to Improve the Iron Recovery from the -65 Mesh Fraction</u> of New Spiral Feed at QCM"; Minerals Engineering, 2(4), 1989, 481-488.
- 13. G. Baiden and J. Meech, 1987. "Simulating the Mine/Mill Interface"; Inter. J. Surface Mining, 1(3), 191-198.
- 12. C.A. Harris and J. Meech, 1987. "Fuzzy Logic: A Potential Control Technique for Mineral Processing"; CIM Bulletin, 80(905), 51-59.
- H. George, J.A. Meech and L. Workman, 1986. "<u>Toward Reducing the Physical Environmental Impact of North American Coal Mines A Review of Potential Selective Overburden Handling Techniques</u>"; Mining Science and Technology, 3(3), 81-94.
- 10. I. Cristoveanu and J. Meech, 1985 "Carrier Flotation of Hematite"; CIM Bulletin, 78(883), 35-42.
- 9. J. Meech, 1985. "Cyanide Effluent Control by Freeze/Thaw Processing"; Environmental Geochemistry and Health, 7(2), 80-84.
- 8. S.A. Manktelow, J.G. Paterson and J.A. Meech, 1984. "<u>Removal of Copper and Cyanide from Solution Using</u> <u>Activated Carbon</u>"; Minerals and the Environment, 6(1), 5-9.
- A. Pindred and J.A. Meech, 1984. "Interparticular Phenomena in the Flotation of Hematite Fines"; International Journal of Mineral Processing, 12, 193-212.
- 6. J. Bayah, J.A. Meech and G. Stewart, 1984. "Oxygen Depletion of Static Air by Backfill Material at the <u>Thompson Mine</u>"; Mining Science and Technology, 2(1), 93-106.
- 5. J.A. Meech, 1981. "Iron Recovery from Mount Wright Tailing Material Discussion"; CIM Bulletin, June, 84.
- 4. J.A. Meech, 1981. "Feasibility of Iron Recovery from Mount Wright Tailing Material"; CIM Bull., Feb., 115-119.
- 3. J.A. Meech and J.G. Paterson, 1981. "<u>Upgrading Chrysocolla Ores with Iron Pentacarbonyl Discussion</u>"; IMM Transactions, Vol. 90, September, C115-C117.
- 2. J.A. Meech and J.G. Paterson, 1980. "<u>Upgrading Chrysocolla Ores with Iron Pentacarbonyl</u>"; IMM Transactions, Vol. 89, December, C152-C160.
- 1. J.A. Meech and J.G. Paterson, 1978. "Improvements in Copper/Lead Separation with Activated Carbon", AIME Transactions, 263, 1758-1767.

### (b) Refereed Conference Proceedings

- 162. C.W.N. Anderson, J.A. Meech, D. Krisnayanti, 2014. "<u>Can phytoextraction support the mining industry in developing countries? Case study for Indonesia</u>", Shechtman International Symposium, Cancun, June 29 July 4, 2014. pp.8.
- 161. J.A. Meech, M.M. Veiga, and G. Angeloci, 2014. "Changing the Habits of Artisanal Miners", Shechtman International Symposium, Cancun, June 29 July 4, 2014. pp.15.
- 160. J.A. Meech and J.X.Y. Wang, 2014. "<u>Remining Old Tailings Dams</u>", Shechtman International Symposium, Cancun, June 29 July 4, 2014. pp.11.
- 159. M. Ghomshei, S. Mak, and J.A. Meech, 2014. "<u>High-temperature Geothermal Energy why no Canadian</u> <u>development?</u>" Shechtman International Symposium, Cancun, June 29 - July 4, 2014. pp.11.
- 158. S. Aguero-Starkman and J.A. Meech, 2014. "Decreasing Energy Consumption in Cement Production", Shechtman International Symposium, Cancun, June 29 July 4, 2014. pp.11.
- 157. J.A. Meech, P.P. Shi, and C.W.N. Anderson, 2014. "<u>Phytomining of Platinum Group Metals major driving</u> forces and new approaches", Shechtman International Symposium, Cancun, June 29 - July 4, 2014. pp.8.
- 156. J.A. Meech, A. Xavier, M.M. Veiga, 2014. "<u>Review of First Nations Issues and Mining in Canada</u>", Shechtman International Symposium, Cancun, June 29 - July 4, 2014. pp.8.
- 155. S. McFaul, Andre Xavier, J.A. Meech, 2014. "<u>Development of Sustainable Small Businesses in Mining-affected Communities</u>", Shechtman International Symposium, Cancun, June 29 July 4, 2014. pp.10.

- 154. J.A, Meech and R. Gu, 2014. "<u>Bitcoin the 'New Gold' for a 'safe-haven' investment?</u>" Shechtman International Symposium, Cancun, June 29 July 4, 2014. pp.11.
- 153. J.A. Meech, 2014. "Fuzzy Logic in Mining are Right and Wrong Fuzzy Concepts?" Shechtman International Symposium, Cancun, June 29 July 4, 2014. pp.8.
- 152. J.A. Meech and L. Mohammadi, 2014. "<u>Recognizing Confined Space Issues at Mine Reclamation Sites</u>", Shechtman International Symposium, Cancun, June 29 July 4, 2014. pp.12.
- 151. J.A. Meech, 2013. "<u>Autonomous Haulage Trucks the new way to mine</u>", Optimizing Mine Operations Conference, Mining Magazine, Toronto, ON, pp.15.
- 150. J.A. Meech, 2013. "<u>Simulation of Truck Drivers in an Open Pit Haulage System</u>", Optimizing Mine Operations Conference, Mining Magazine, Toronto, ON, pp. 10.
- 149. J.A. Meech, 2013. "<u>Tire Wear Model for Mine Haulage Trucks</u>", Optimizing Mine Operations Conference, Mining Magazine, Toronto, ON, pp. 18.
- 148. J.A. Meech, 2013. "<u>Hybrid Electric Autonomous Haulage Trucks</u>", Optimizing Mine Operations Conference, Mining Magazine, Toronto, ON, pp. 10.
- 147. J.A. Meech, 2013. "<u>Recruiting Mining Engineering Graduates</u>", Optimizing Mine Operations Conference, Mining Magazine, Toronto, ON, pp. 8.
- 146. J.A. Meech, 2013. "<u>Autonomous Haulage Trucks in Mining</u>", 15th IFAC Conference on Control, Optimization, and Automation in Mining, Mineral and Metal Processing, Aug. 25-28, 2013 San Diego, CA, pp.6.
- 145. E. Esfahanian, J.A. Meech, 2013. "<u>Hybrid Electric Haulage Trucks for Open Pit Mining</u>", 15th IFAC Conference on Control, Optimization, and Automation in Mining, Mineral and Metal Processing, Aug. 25-28, 2013 - San Diego, CA, 104-109.
- 144. J.A. Meech, J. Parreira, 2013. "<u>Predicting Wear and Temperature of Autonomous Haulage Truck Tires</u>", 15th IFAC Conference on Control, Optimization, and Automation in Mining, Mineral and Metal Processing, Aug. 25-28, 2013 San Diego, CA, 142-147.
- 143. X.Y. Wang, J.A. Meech, 2013. "Generic decision-making on the retreatment of copper tailings dams", Proceedings of Tailings-2013, Santiago, Chile, pp.8.
- 142. G. Angeloci, M. Veiga, J. Meech, C. Velasquez , 2013. "Small Mining can be clean and profitable", 23<sup>rd</sup> World Mining Congress, August 11-15, 2013 Montreal, QU, pp. 10.
- 141. M. Ghomshei, John Meech, and Ferri Hassani, 2013. "<u>The Northern Gateway Pipeline: a Corridor to Seed</u> <u>Renewable Energy</u>", 23<sup>rd</sup> World Mining Congress, August 11-15, 2013 – Montreal, QU, pp. 10.
- 140. M. Ghomshei, F. Hassani, J. Meech, Nima Mousavi, 2013. "<u>Geothermal Power as an Energy Source for</u> <u>Canadian Mining</u>", 23<sup>rd</sup> World Mining Congress, August 11-15, 2013 – Montreal, QU, pp. 10.
- 139. J. Parreira, J.A. Meech, 2013. "<u>Is Autonomous Haulage better than a Manual System?</u>", 23<sup>rd</sup> World Mining Congress, August 11-15, 2013 Montreal, QU, pp. 10.
- 138. G. Angeloci, M. Veiga, J. Meech, 2013. "<u>Mercury in Artisanal Gold Mining: Myths and Realities</u>", ICMGP 11<sup>th</sup> International Conference on Mercury as a Global Pollutant, Edinburgh, U.K., July 28 Aug. 2, pp.12.
- 137. J. Parreira, J.A. Meech, 2012. "Simulation of human drivers to study an autonomous haulage truck system", Automining-2012, Viña del Mar, Chile, pp.9.
- 136. J.A. Meech, 2012. "<u>Autonomous Haulage Trucks: the future is now!</u>", Automining-2012, Viña del Mar, Chile, pp.8. **Keynote Presentation**.
- 135. J.A. Meech and S. Kimball, 2012. "Creating a Geothermal Favourability Map of British Columbia", IPMM-2012, Foz do Iguaçu, Brazil, pp.14.
- 134. J.A. Meech, S. Sadrai, and B. Mousavi Zadeh, 2012. "<u>High-Velocity Impact Comminution of Magnetite</u>", IPMM 2012, Foz do Iguaçu, Brazil, pp.13.
- 133. J. Parreira and J.A. Meech, 2012. "Simulation of Autonomous Mine Haulage Trucks", IPMM-2012, Foz do Iguaçu, Brazil, pp.10.
- 132. J.A. Meech, 2012. "Fuzzy Logic in the Mining Industry", IPMM-2012, Foz do Iguaçu, Brazil, pp.10.
- 131. J. Parreira, J.A. Meech, 2012. "<u>Simulation of an Open Pit Mine to Study Autonomous Haulage Trucks</u>", Proceedings of CIM AGM, Edmonton, AB, May 6-9, pp. 9.
- 130. B. Mousavi-zadeh, J.A. Meech, 2011. "Effects of Impact Velocity on Energy Efficiency of Comminution", BC CMP Fall Meeting (Canadian Mineral Processors), Dec. 2, pp.10.
- 129. L. Mohammadi, J.A. Meech, 2011. "<u>Atmospheric Fuzzy Risk Assessment of Confined Space Entry at Mine</u> <u>Reclamation Sites</u>", Tailings and Mine Waste Conference, Vancouver BC, Nov. 6-9, 583-595.
- 128. J.Parreira, J.A. Meech, 2011. "<u>An interactive simulation model to study autonomous haulage trucks</u>", Proceedings of 2011 Complex Adaptive Systems Conference, Chicago, IL, Oct. 31 - Nov. 2, pp.8.

- 127. L. Mohammadi, J.A. Meech, 2011. "<u>Atmospheric Occupational Health and Safety Issues at Mine</u> <u>Reclamation Sites</u>", Proceedings of the International Conference on Environmental Pollution and Remediation (ICEPR'11), Ottawa, ON, July 17-19, Paper No. 86, pp.12.
- 126. J. Parreira, J.A. Meech, 2011. "Autonomous Haulage Systems Justification and Opportunity", Proceedings of 2011 Inter. Conf. on Autonomous and Intelligent Systems (AIS 2011), Burnaby, B.C., June 22-24, pp.11.
- 125. S. Sadrai, J.A. Meech, D. Tromans, 2009. "Fragmentation Efficiency of Comminution under High Velocity Impact", 12th International Conference on Fracture (ICF12), July 12, Ottawa, ON, pp.10.
- 124. L. Mohammadi and J.A. Meech, 2010. "Fuzzy Risk Assessment of Atmospheric Confined Space Danger at Mine Reclamation Sites"; to be presented at 2010 CIM AGM, Vancouver, B.C., May 9-12, pp.12.
- 123. Juliana Parreira and John A. Meech, 2010. "<u>Autonomous vs Manual Haulage Trucks How Mine Simulation</u> <u>Contributes to System Development"</u>; to be presented at 2010 CIM AGM, Vancouver, B.C., May 9-12, pp.12.
- 122. Amy Cheng, Taylor Cooper, Andre Wild, Ian Phillips and J.A. Meech, 2010. <u>Development of a Scraper</u> Excavator to Mine Moon Regolith; 2010 ASCE Earth and Space Symp., Honolulu, Mar 14-17, 1031-1038.
- 121. Juliana Parreira, Zoe Mullard, and John A. Meech, 2009. <u>How Automation and Key Performance Indicators</u> (KPI'S) Contribute to Sustainable Development in the Mining Industry, 2<sup>nd</sup> Multinational Enterprises and Sustainable Development Inter. Conf. (MESD 2009), Nov. 4-6, in Nancy-Metz, France, pp.17.
- 120. L. Mohammadi, J.A. Meech, 2008. <u>Implementing Atmospheric Risk Assessment in Mine Reclamation</u>, 23rd International Conference on Solid Waste Technology and Management, Philadelphia, Mar 31-Apr 2, pp12.
- 119. M. Ghomshei, J. Meech, R. Naderi, 2007. "War, Peace, and Fuzzy Logic", IPMM-2007, Salerno, IT, Jun, pp14.
- 118. S. Sadrai and J.A. Meech, 2007. "Energy Efficiency Model of Particulate Materials under High Velocity Impact Comminution", IPMM-2007, Salerno, Italy, June, pp9.
- 117. J.A. Meech, 2007. <u>Development of an Autonomous Vehicle for the DARPA Urban Challenge</u>, Proceedings of IPMM'07, Salerno, Italy, July, 2007, pp20.
- 116. J.A. Meech, 2006. <u>The Evolution of Intelligent Systems in the Mining Industry</u>, Mineral Processing Modeling, Simulation, and Control Conference Keynote Presentation, Sudbury, ON, June, pp28.
- 115. M.M Ghomshei, J.A.Meech, R. Naderi, 2006. "Fuzzy Logic in a Post-Modern Era:Serendipity and Causality", BISC-05, Special Symposium on 40 Years of Fuzzy Logic in honor of Lotfi Zadeh, Berkeley, CA, pp.20.
- 114. J.A. Meech, 2005. "Fuzzy Logic Applications in Mining, Minerals, Metals and Materials", BISC-05, Special Symposium on 40 Years of Fuzzy Logic in honor of Lotfi Zadeh, Berkeley, CA, pp.20.
- 113. J.A. Meech, 2005. "<u>New Directions and Developments in Intelligent Processing and Manufacturing of</u> <u>Materials</u>", Proceedings of IPMM'05, July, Monterey, CA, pp10.
- 112. M.M. Ghomshei, J.A. Meech, and Reza Naderi, 2006. "Fuzzy Logic in a Postmodern Era," Proceedings of IPMM'05, July, Monterey, CA, pp10.
- 111. J.M. Chui and J.A. Meech, 2006. "<u>Robomine: The New Era of Intelligent Systems</u>", Proceedings of IPMM'05, July, Monterey, CA, pp3.
- 110. S. Sadrai; J.A. Meech, and D. Tromans, 2005. "<u>High Impact Strain Rate as a Method to Improve the Energy</u> <u>Efficiency of Comminution</u>", submitted to IPMM2005 – Intelligent Processing and Manufacturing of Materials, for presentation at 5<sup>th</sup> IPMM in Monterey, California, July 19-23, 2005, pp.10.
- 109. J. Hallam, J. Ho, W. Lui, J. Chui, S. Jones, D. Cameron, C. Trytten, A. Lyon, J. Hanna, G. Lancaster, P. Smith, D. Godin, K. MacKay, J. Himstedt, A. Kashani, R. Hausch, P. Loisel, S. Sadrai, C. Dixson, G. Grewal, D. Hepler, A. Woo, D. Ballard, H. Huang and J.A. Meech, 2005. "<u>Autonomous Off-road Vehicle Design and Construction</u>", Proceedings of IPMM'05, July, Monterey, CA, pp3.
- 108. S. Sadrai and J.A. Meech, 2005. <u>High Velocity Impact Fragmentation and the Energy Efficiency of</u> <u>Comminution</u>, HVIS – Hyper-velocity Impact Society Annual Meeting, Lake Tahoe, October 10th, pp.10.
- 107. M.M. Ghomshei, K, MacLeod, T.L Sadlier-Brown, J.A. Meech, R.A. Dakin, 2005. "Canadian Geothermal Energy Poised for Takeoff", IGS World Geothermal Congress, Antalya, Turkey, April, pp.4.
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