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- A Ali, J Suon and M A Yousuf, "A Study of Localization Methods to Help Elderly Patients in their Home Environments," presented at the 2020 IEEE Integrated STEM Education Conference (ISEC), Princeton, NJ.
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- M A Yousuf and I Woiciechowski, "Equations that changed the world," submitted to NCTM 2019, San Diego.
- M A Yousuf, "Physics of Sports and a Tale of Two Olympians," submitted to NSTA 2019, St. Louis.
- M A Yousuf and Laura Saxton, "STEAMy Spreadsheets", NSTA Regional Baltimore, October 5–7, 2017
- M A Yousuf, R Villastrigo and I Woiciechowski, "Developing the Postulates of Special Relativity in Group Discussions," NSTA Los Angeles, April 2017
- M A Yousuf and R Haugh, "The Poetry of Science and the Science of Poetry," NAGC Florida, Nov 3-6, 2016.
- M A Yousuf and I Woiciechowski, "Space-time diagrams and Einstein's Theory for Dummies," NAGC Florida, Nov 3-6, 2016.
- M A Yousuf and V Schneider, "Benefits and Challenges of Mixing Sports into a Physics Course," presented at the 62nd Annual NAGC Convention, Phoenix, Arizona, Nov 12-15, 2015.
- M A Yousuf and C Murray, "Science in a Global Perspective – Understanding the Science Policy Process," presented at the 62nd Annual NAGC Convention, Phoenix, Arizona, Nov 12-15, 2015.
- M A Yousuf, Using LEGO Robots to Create Smileys, Presented at the 61st Annual NAGC Convention (National Association for Gifted Children), Baltimore, Maryland, November 13-16, 2014.
- M A Yousuf, B Asiyanbola, Short Term Physiological Effects of a Hepatopancreaticobiliary Reservoir, the Americas Hepato-Pancreato-Biliary Association (AHPBA) Conference, Miami Beach, Eden Roc, February 2014.

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- S F Rosales, R E G Vara, G Olivera, K Harris, L C Albiztegui, J C Pérez, V C Hernandez, R M Chaveznava and M A Yousuf, "Educational Robots for Economically Challenged Communities," International Conference on Engineering Education, Pécs-Budapest, Hungary, 27-31 July 2008.
- M A Yousuf, "Solving Physics Problems Using Variable Flow Diagrams," International Conference on Engineering Education, Pécs-Budapest, Hungary, 27-31 July 2008.
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Books and book chapters

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- M A Yousuf, "Elementary Techniques of Integration," 1985.
- M A Yousuf, "To Prove" (a collection of proofs of most commonly used formulas in undergraduate mathematics), 1984.

Invited Talks and Presentations

- M A Yousuf, "Medical Robots and Other Devices," Lecture delivered at the meeting of NED Alumni Association of DC, April 29, 2012.
- M A Yousuf, "An Inclusive Education," Invited talk at "Artificial Intelligence and Educational Robotics in the Technology in the Classroom Mini-conference", Decision Sciences (DSI) Meeting, Baltimore, Maryland, November 22-25, 2008.
- M A Yousuf, A series of five (weekly) talks on the Frontiers of Physics at the Colegio Hebreo Tarbut, Mexico City, Mexico, 2007
- M A Yousuf, "Achieving the Competitive Edge through Strategic Management of Science and Technology", Convention of Young Scientists, Technologists and Engineers, October 1998, Islamabad, Pakistan.
- M A Yousuf, "The Emerging Trends in Private Education," HRCP Workshop on Private Education, April 2000, Karachi, Pakistan.
- M A Yousuf, "Online Office – Prospects for Pakistani Women," at the University of Karachi, Karachi, Pakistan, 1999.

Supervised Thesis and Project Work - Undergraduate:

- B Hura, "Treatment of Lung Tumors Using Cyberknife Robotic System," Karakoram International University, Pakistan, July 2012.
- M H Zaidi, "Tracking of Tumors in Cyberknife Radiotherapy," Karakoram International University, Pakistan, July 2012.
- N Muhammad, "A Study of the Radiation Dose Coverage in Robotic Radiotherapy," Karakoram International University, Pakistan, July 2012.
- N Ahmad, "Radiosurgery of Spinal Cancer using Cyberknife," Karakoram International University, Pakistan, July 2012.
- M Nisar, "Radiative Treatment and Localization of Thoracic Tumors," Karakoram International University, Pakistan, July 2012.
- Noorida, "MRI Guided Tumor Tracking in Cancer Radiotherapy," Karakoram International University, Pakistan, July 2012.
- S Ahsan, "Magnetic Resonance Imaging for Lung Cancer Detection," Karakoram International University, Pakistan, July 2012.
- T Fida, "MRI in the Imaging of Nasopharyngeal Cancer," Karakoram International University, Pakistan, July 2012.
- Z Akbar, "Segmentation of Bones in MRI and CT Images," Karakoram International University, Pakistan, July 2012.
- F Jabeen, MRI and its clinical applications, Karakoram International University, Pakistan, July 2012.
- A J S Lopez, "A Study of MEMS – Micro Electro Mechanical Systems", Tec de Monterrey, Santa Fe Campus, Mexico, 2007.
- J C Pérez and M R Esquivel, "Mechanical Construction of a Cartesian Robot with One degree of Freedom", Tec de Monterrey, Santa Fe Campus, Mexico, 2007.
- G O Mejia, "Boe-Bots and Table Football", Tec de Monterrey, Santa Fe Campus, Mexico, 2007
- N Turkia, "Developing the Electrical Control System for the Ford Mustang - Alison", Tec de Monterrey, Santa Fe Campus, Mexico, 2007.
- A R Vargas, "Automatic Car Loading and Unloading System", Tec de Monterrey, Santa Fe Campus, Mexico, 2007.

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- J P M Esponda, "Design and Construction of a Rope Climbing Robot," accepted for publication in the 10th International Conference on Climbing and Walking Robots, 16-18 July 07, Singapore
- M O Andrade "Predicting Blood Pressure Using Neural Nets," Tec de Morelia, Mexico, 2002.
- C L F Prado, "A report on the applications of genetic algorithms," Tec de Morelia, Mexico, 2002.
- A Calderon, "A comparative study of freeware/shareware neural network tools available on DOS / Windows platform, with some representative applications," Tec de Morelia, Morelia, Mexico, 2002.
- J Aguirre, "A study of recent trends in Artificial Life / Digital Biology," Tec de Morelia, Morelia, Mexico, 2002.
- A C Fernandez, "A report on the financial applications of neural networks with explanations of techniques used," Tec de Morelia, Morelia, Mexico, 2002.
- H Balam, "Financial forecasting (S & P 500 index) using neural nets," Tec de Morelia, Morelia, Mexico, 2002.
- M E S Orozoco, "Neural network based prediction of diabetes," Tec de Morelia, Morelia, Mexico, 2002.
- D Corona, "Use of Neural networks and genetic algorithms in weather forecasting," Tec de Morelia, Morelia, Mexico, 2002.
- N A Zeeshan and S Momin, "To understand and predict musical preferences of human listeners using neural nets," Hamdard Institute of Information Technology and KASBIT, 2000.
- S Abbasi, "Neural nets based face recognition system," Hamdard Institute of Information Technology, 1999.
- N Zai, "Diabetes Prediction in Prima Indians," Hamdard Inst of Information Technology, 1999.
- M Nazim, "Loan Approval," Asian Institute of Management, 1999.
- S Ahmer, "Prototype neural network based semiconductor curing furnace controller," Asian Institute of Management, 1999.
- F Rizvi, "A study in the possible use of neural nets in the 'Hypothesis testing' process," Asian Institute of Management, 1999.
- J. Farooqi, "Neural Nets in Semiconductor Etch Process – a case study," Asian Institute of Management, 1999.
- K Khalid, "Economic forecasting (World Bank – basic indicators) using neural nets," Hamdard Inst. of Inf. Tech., 1999.
- N A Zeeshan, "Financial forecasting (S & P 500 index) using neural nets," Hamdard Inst. of Inf. Tech., 1999.
- R Ahmed, "Signature verification using neural nets," Hamdard Inst. of Inf. Tech., 1999.
- S S Hussain, "Bankruptcy prediction using neural nets," Hamdard Inst. of Inf. Tech, 1999.

Co-Supervised Thesis and Project Work - Graduate:

- V N B Torres, "Modelo Modificado del Manipulador de la Universidad de Maryland," Tec de Morelia, Morelia, Mexico, 2003.
- G G Arreguín, "Análisis de Trayectorias Libres de Colisiones para un Manipulador Paralelo de 3 GDL", Tec de Morelia, Morelia, Mexico, 2002.
- F C Ricardo, "Comparación de los Espacios de Trabajo de los Manipuladores Serie y Paralelo con los Mismos Grados de Libertad", Tec de Morelia, Morelia, Mexico, 2002.

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