

Name

Sa'ed Awni Musmar

Education – degree, discipline, institution, year

-2003-2006: Ph.D, Metals and Materials Engineering/Metallurgical engineering, McGill University, Canada

-1999-2001: MSc., Mechanical Engineering, University of Jordan, Jordan.

-1994-1999 B.Eng., Thermal Science, Mechanical Engineering, Mu'tah University, Jordan.

Ph.D. Thesis Title: In-Situ Thermal Analysis Probe.

Academic experience – institution, rank, title (if appropriate), when, full time or part time

-Sep. 2013 - 2015: Associate Professor , Industrial Engineering Department, University of Jordan, Amman, Jordan -Sep. 2011 – Aug. 2013 Assistant Professor , Mechanical and industrial

Department, Majmaah University, Al-Majmaah, Saudi Arabia.

-Feb. 2007 - Sep. 2011 Assistant Professor , Mechanical Engineering department and lecturing for Systems Engineering Department, Mutah University, Karak, Jordan

-June 2011 - Sep. 2011 Visiting researcher, Braunschweig university, Germany

-June 2010 - Sep. 2010 Visiting Professor , McGill University, Montreal, Canada

-Sep. 2003 - Sep. 2006 Research Assistant, Faculty of Engineering, McGill University, Montreal, Canada.

-Sep. 2000 – Sep. 2001. Research Assistant, Faculty of Engineering, University of Jordan, Amman, Jordan

Non-academic experience – company or entity, title, brief description of position, when, full time or part time

Mechanical Engineer, Machine shop engineer

Odeh Al Naber Transportation Company, Amman, Jordan.1999 – Sep. 2000

Certifications or professional registrations

WHMIS (Workplace Hazardous Materials Information System) training

Advanced Techniques in Microscopy for Materials Characterization

Modules: SEM1, X-Ray Analysis, Advanced Probe, Image Analysis and EBSD

Current membership in professional organizations

Jordan Engineers Association

Honors and awards

University of Majmaah 2013

Engineering and Applied Sciences Research Center at Majmaah University (KSA) 2013

Service activities (within and outside of the institution)

Iron and Steel Committee (Jordan Standards and Metrology Organization (JSMO))

The most important publications and presentations

- Traffic emission control through gasoline automotive engine mixture enhancement
SA Musmar, S Alkheder, AA Al-Rousan, M Al-Ajlouni, Y Jaradat, Environmental Progress & Sustainable 2018,Energy 37 (2), 761-765
- Green transportation: increasing fuel consumption efficiency through HHO gas injection in diesel vehicles AA Al-Rousan, S Alkheder, SA Musmar, MA Al-Dabbas, International Journal of Global Warming,2018, 14 (3), 372-384.
- ASSESSMENT OF ENERGY CONSUMPTION EFFECT ON WORLDWIDE PASSENGERS AIRLINES, NETWORKS,M D AL-Tahat, M Al Janaideh, A Sa'ed, ME Jabri, Journal of Nature Science and Sustainable Technology,2016, 10 (3), 269

The most recent professional development activities