

Ahmad K ALMiGDADY “Assistant Professor”

- Degrees:**
- PhD, Mechanical Engineering
The City College of the City University of New York, 2012.
 - MS, Mechanical Engineering
The City College of the City University of New York, 2001.
 - BSc, Mechanical Engineering
Jordan University of science and Technology, 1998.

Experience

September 2013 – Present

Lecturer, Department of Mechanical Engineering
The Hashemite University, Zarqa, Jordan

September 2012 – June 2013

Lecturer, Department of Mechanical Engineering
Jordan University of Science & Technology, Irbid, Jordan

September 2012 – January 2013

Lecturer, Department of Mechanical Engineering
Al-Balqa Applied University, Al-Huson College, Irbid, Jordan

Sep 2004- Feb 2012

Research Assistant, Department of Mechanical Engineering.
The City College of New York/CUNY, New York, NY, USA.

Sep 2004 – May 2007

Teaching Assistant, Department of Mechanical Engineering.
The City College of New York/CUNY, New York, NY, USA.

- Courses Taught:**
- Thermodynamics.
 - Heat Transfer.
 - Fluid Mechanics.

- Numerical Analysis.
 - Technical Writing & Engineering Ethics.
 - Mechanical Drawing using Pro/Engineer
 - Engineering drawing using Autocad
- Fortran, MATLAB, FLUENT

Computer

skills: AutoCad, CAD Pro/E

- Professional**
- **Jordanian Engineering Association (JEA)**
- Membership:**
- **American Physical society (APS)**

Publications: [1] A. Al-Qananwah, J. Koplik and Y. Andreopoulos, “Shock Wave Interactions with Nano-structured Materials: a Molecular Dynamics Approach” Shock waves, Springer, July, 2012, DOI: 10.1007/s00193-012-0397-4.

[2] A. Al-Qananwah, J. Koplik and Y. Andreopoulos, “Molecular Dynamics Simulation of Shock Waves Interacting with Nano-structures”, 62nd Annual Meeting of the APS Division of Fluid Dynamics, Volume 54, Number 19 , Sunday–Tuesday, November 22–24, 2009; Minneapolis, Minnesota.

[3] A. Al-Qananwah, J. Koplik and Y. Andreopoulos, “Attenuation of shock waves through nano-structured porous material” , Physics of Fluids 25, 076102 (2013); doi: 10.1063/1.4811720

**Title of PhD
Thesis**

Molecular Dynamics of Shock Wave Interaction with Nanoscale Structured Materials