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**Faculty Name: Emad Ismat Ghandourah**

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**Education:**

- **Ph.D.** Mechanical Engineering, University College London, London, United Kingdom, March 2015.
- **M.Sc.** Nuclear Engineering, King Abdulaziz University, Jeddah, Saudi Arabia, July 2003.
- **B.Sc.** Nuclear Engineering, King Abdulaziz University, Jeddah, Saudi Arabia, July 1996.

**Academic Experience:**

- **2015** Assistant Professor, Nuclear Engineering Department, Faculty of Engineering, King Abdulaziz University, Jeddah, Saudi Arabia.
- **2007-2008** Lecturer, Nuclear Engineering Department, Faculty of Engineering, King Abdulaziz University, Jeddah, Saudi Arabia.
- **2000-2006** Lab Demonstrator, Nuclear Engineering Department, Faculty of Engineering, King Abdulaziz University, Jeddah, Saudi Arabia.

**Non-academic Experience**

- **1996-1999** Engineer, Maintenance Department, King Abdulaziz University, Jeddah, Saudi Arabia.

**Certifications**

1. Radiation Safety Officer (License).
2. Inspection License for the Radiographic Testing (Level-3)
3. Inspection License for Magnetic Particles Testing (Level-3)
4. Inspection License for Liquid Penetration Testing (Level-3)
5. Inspection License for the Ultrasonic Testing (Level-2)
6. Inspection License for the Eddy Current Testing (Level-1)

**Membership**

- American Nuclear Society (2015)
- The American Society for Nondestructive Testing (2015-2019)
- Research in Nondestructive Evaluation (2015-2019)

**Honors & Awards**

- Fulbright Scholarship (2004)

**Service Activities**

- Coordinator for the Aramco Chair at King Abdulaziz University

**Publications & Presentations**

1. C. Culbertson, K. Wangerin, E. Ghandourah & T. Jevremovic, "A comparison of the COG and MCNP codes in computational neutron capture therapy Modeling, Part I: Boron neutron capture therapy models", Health Physics, vol. 89 no. 2, pp.127-134, August 2005.
2. E. Ghandourah & T. Jevremovic, "Gadolinium neutron Capture depth-dose distribution for deep- seated brain tumors", ANS Winter Meeting, Nuclear Technology, no. 3, pp. 845-846, November 2004.
3. Anglo French Physical Acoustics Conference, Brighton, UK, January 2012.

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**Participations**

1. Training Course in Non-Destructive Testing Level-2, Japan International Cooperation Agency, Kitakyushu, Japan, January 2001.
  2. Training Course in Non-Destructive Testing Level-3, Royal Scientific Society, Amman, Jordan, August 2001
  3. Training Course in Non-Destructive Testing Level-2, Egyptian Atomic Energy Commission, Cairo, Egypt, October 2001.
  4. Training Course in Non-Destructive Testing Level-1, Syrian Atomic Energy Commission, Damascus, Syria, November 2001.
  5. Training Course in Non-Destructive Testing Level-3, Atomic Energy Organization of Iran, Tehran, Iran, May 2002.
  6. Training Course in the Visual Inspection, Industrial Research Institute, Beirut, Lebanon, May 2006.
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