

1. Name

Moh'd Rashad Dhiadin Al-Mothafar

2. Education

- PhD, Electrical Engineering, University of Bath, Bath, United Kingdom, 1987.
- PG Diploma, Power Electronics and Systems, University of Manchester, Manchester, United Kingdom, 1983.
- BSc, Electrical Engineering, University of Baghdad, Baghdad, Iraq, 1981.

3. Academic experience

- Department of Electrical Engineering, Jordan University of Science and Technology, Professor, (Oct. 2014 - present), Full-time.
- Department of Electrical Engineering, Jordan University of Science and Technology, Associate Professor, (Dec. 1999 - Oct. 2014), Full-time.
- Department of Mechatronics Engineering, Philadelphia University- Jordan, Visiting Associate Professor, (Sept. 2006 - Sept. 2007), Full-time.
- Department of Electrical Engineering, Jordan University of Science and Technology, Department Chairman, (Sept. 2002 - Sept. 2004), Full time.
- Electrical and Computer Engineering Department, Applied Science University- Jordan, Visiting Associate Professor, (Sept. 2001- Sept. 2002), Full-time.
- Faculty of Engineering, Jordan University of Science and Technology, Assistant Dean of Engineering, (Sept. 1998 - Sept. 2000), Full-time.
- Department of Electrical Engineering, Jordan University of Science and Technology, Assistant Professor, (Jun. 1992 - Dec. 1999), Full-time.
- Department of Electrical Engineering, Jordan University of Science and Technology, Lecturer, (Sept. 1991 - Jun. 1992), Full-time.
- Electrical and Electronic Engineering Department, University of Birmingham, United Kingdom, Postdoctoral Research Fellow, (Jan. 1991 - Aug. 1991), Full-time.
- Electrical Engineering Department, University of Bath, United Kingdom, Postdoctoral Research Assistant, (Jun. 1988 - Dec. 1990), Full-time.

4. Non-academic experience

None

5. Certifications or professional registrations

Member of the Engineering Council; Chartered Engineer in the United Kingdom

6. Current membership in professional organizations

- Member of the Jordanian Engineers Association
- Member of the IET
- Member of the Power Electronics Society, IEEE

7. Honors and awards

Iraqi-President Prize for achievement in the national general secondary school exam, Baghdad, Iraq, 1977.

8. Service activities

- Head of the “Curriculum and Course-Equivalency Committee” of the Electrical Engineering Department.
- Member of the department “Accreditation & Quality Assurance Committee”.
- Upgrading the “Power Electronics Lab” at the Electrical Engineering Dept.
- Head and member of several committees within the university (elevation, recruitment, etc.)
- Reviewer for several international journals.

9. Publications and presentations (past five years)

- N. M. Radaydeh, and **M. R. Al-Mothafar**, “Small-Signal Modeling of Current-Mode Controlled Modular DC-DC Converters Using the State-Space Algebraic Approach,” *International Journal of Electrical & Computer Engineering*, Vol. 10, No. 1, Feb 2020, pp.139-150.
- N. M. Radaydeh, and **M. R. Al-Mothafar**, “Extended Research on Small-Signal Modeling of Current-Mode Controlled Parallel-Input/Series-Output Buck-Based Converters,” *Jordan Journal of Electrical Engineering*, Vol. 5, No. 2, May 2019, pp. 91-108.
- O. S. Saadeh, and **M. R. Al-Mothafar**, “Power Electronics Laboratory Education: the JUST Experience,” *IEEE First Ukraine Conference on Electrical and Computer Engineering*, Kiev, Ukraine, 2017.
- **M. R. Al-Mothafar**, S. M. Radaideh, and N. M. Radaydeh, “Application of Linear-Quadratic Regulator Theory to Modular Current-Programmed Step-Down DC-DC converters,” *International Journal of Engineering Systems Modelling and Simulation*, Vol. 7, No. 1, January 2015, pp. 6-21.

10. Most recent professional development activities

Continuing research on studying the dynamics of modular dc-dc converters; A paper entitled “Control-to-output and source-to-output voltage responses of a current-mode controlled independent-input series-output boost dc-dc converter” has recently been submitted for publication.