



السيرة الذاتية

الاستاذ المساعد مناف فتحي بدر

الجامعة المستنصرية - كلية الهندسة

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ملخص تعريفي:

الـ دـر مناف فتحي بدر تدريسي في قسم الهندسة الميكانيكية مهتم في البحث في مجالات الهندسة الكهربائية ضمن تخصصات الميكاترونكس والعلماة السيطرة الإلكترونية والكهر وميكانيكية والتطبيقات المتعلقة بها. يقوم بالأشراف على طلبة الدراسات العليا في المجالات المذكورة.

Google scholar I D.: <https://scholar.google.com/citations?user=Qyaf0n4AAAAJ&hl=en>

ORCID ID.: <https://orcid.org/0000-0003-0991-7571>

Publons: <https://publons.com/researcher/2995580/munaf-fathi/>

Research gate: <https://www.researchgate.net/profile/Munaf-Badr>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=56040783900>

التسهادات التدريسية:

- ماجستير هندسة كهربائية/2004 - قسم الهندسة الكهربائية (كلية الرشيد) - الجامعة التكنولوجية
- بكالوريوس هندسة كهربائية/ 1989 قسم الهندسة الكهربائية - جامعة بغداد

الخبرة الأكاديمية والتدريس:

- تدريسي في قسم الهندسة الميكانيكية - الجامعة المستنصرية 2004 ولحد الان
- عضو ومقرر للجنة العلمية في قسم الهندسة الميكانيكية - الجامعة المستنصرية 2015-2016
- عضو في لجنة دليل كلية الهندسة 2014
- استاذ مساعد قسم الهندسة الميكانيكية، كلية الهندسة. الجامعة المستنصرية 2014 لحد الان.

التكريم والجوائز الأكاديمية:

- محاصل على أكثر من 20 كتاب شكر وتقدير

المقررات الدراسية التي تم تدريسها:

الدراسات العليا	الدراسات الأولية
انظمة السيطرة المتقدمة	اسس الهندسة الكهربائية
الدوائر المتكاملة الكبيرة	تجارب السيطرة والمحاكاة
معالجة الاقناباس الالكتروني	

- Control design of damper mass spring system based on backstepping controller scheme
Badr, M.F., Karam, E.H., Mjeed, N.M.
International Review of Applied Sciences and Engineering, 2020, 11(2), pp. 181–187
- Application of directional control solenoid valves in pneumatic position system
Jaliel, A.K., Badr, M.F.
IOP Conference Series: Materials Science and Engineering, 2020, 870(1), 012044
- Investigating the effect of the various stiffness coefficient on the controlled damper mass spring system based on the electromechanical sensor
Badr, M.F., Nayeef, A.A., Mustafa, W.A.
International Journal of Mechanical and Production Engineering Research and Development, 2019, 9(3), pp. 243–256, IJMPERDJUN201928
- Motion control of electro-pneumatic system based on directional control solenoid valve
Shalan, A.A., Badr, M.F., Al-Ameen, E.S.
International Journal of Mechanical and Production Engineering Research and Development, 2019, 9(2), pp. 211–222, IJMPERDAPR201920
- Modelling and Simulation of a Controlled Solenoid
Badr, M.F.
IOP Conference Series: Materials Science and Engineering, 2018, 433(1), 012082
- A Simplified Method for Energizing the Solenoid Coil Based on Electromagnetic Relays
Badr, M.F.
ARPN Journal of Engineering and Applied Sciences, 2018, 13(22), pp. 8750–8754
- Position control of the pneumatic actuator employing ON/OFF solenoids valve
Badr, M.F., Abdullah, Y., Jaliel, A.K.
International Journal of Mechanical and Mechatronics Engineering, 2017, 17(2), pp. 29–37
- Modelling and simulation of closed loop controlled DC-DC converter fed solenoid coil
Badr, M.F.
Contemporary Engineering Sciences, 2014, 7(5-8), pp. 207–217

تطوير المهارات:

1. عضو لجنة دليل كلية الهندسة 2015
2. عضو لجنة النشاطات اللاصفية في كلية الهندسة 2017
3. رئيس لجنة التدريب الصيفي في قسم الهندسة الميكانيكية من 2018 ولحد الان
4. لديه العديد من ورش العمل والمشاركات داخل وخارج العراق في مجال البحوث الاكاديمية

PUBLICATIONS:

- Control design of damper mass spring system based on backstepping controller scheme
Badr, M.F., Karam, E.H., Mjeed, N.M.
International Review of Applied Sciences and Engineering, 2020, 11(2), pp. 181–187
- Application of directional control solenoid valves in pneumatic position system
Jaliel, A.K., Badr, M.F.
IOP Conference Series: Materials Science and Engineering, 2020, 870(1), 012044
- Investigating the effect of the various stiffness coefficient on the controlled damper mass spring system based on the electromechanical sensor
Badr, M.F., Nayeef, A.A., Mustafa, W.A.
International Journal of Mechanical and Production Engineering Research and Development, 2019, 9(3), pp. 243–256, IJMPERDJUN201928
- Motion control of electro-pneumatic system based on directional control solenoid valve
Shaalaa, A.A., Badr, M.F., Al-Ameen, E.S.
International Journal of Mechanical and Production Engineering Research and Development, 2019, 9(2), pp. 211–222, IJMPERDAPR201920
- Modelling and Simulation of a Controlled Solenoid
Badr, M.F.
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- A Simplified Method for Energizing the Solenoid Coil Based on Electromagnetic Relays
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Contemporary Engineering Sciences, 2014, 7(5-8), pp. 207–217

PROFESSIONAL DEVELOPMENT

- Attending many workshops and symposium related with the applications of control system and mechatronics.

Munaf Fathi Badr

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PERSONAL SUMMARY:

- Assistant Professor / Al-Mustansiriyah University / Faculty of Engineering / Mechanical Engineering Department

EDUCATION:

- M.Sc. in Electrical Engineering / Electronics / from University of Technology / Al-Rasheed College of Engineering & Science / Electrical Engineering Department, Baghdad (2004).
- B.Sc. in Electrical Engineering, from Al- Baghdad University / College of Engineering / Electrical Engineering Department, Baghdad (1989).

ACADEMIC HONORS AND AWARDS:

- A lot of thankful letters which have been given by different institutions.

ACADEMIC /TEACHING EXPERIENCE:

- Experiments in very large scale integrated circuit (VLSI) for the postgraduate students (M.Sc. course) / Department of computer engineering .Engineering, Academic experience built by giving lectures in the theory of control system for the 4th year undergraduate students (2015- 2016).
- Experiments in basics of Electrical engineering for the 1st year undergraduate students and experiments in fundamentals of Electrical engineering laboratory for the 1st undergraduate / Academic year (2004 till now).

COURSES TAUGHT:

Undergraduate	Graduate
Basics of Electrical Engineering	Very Large Integrated Circuits (VLSI)

PROFESSIONAL AFFILIATIONS:

- Member of department console.

PUBLICATIONS:

- Several papers reach to (14) papers which have been published in different scientific and academic Journals

PROFESSIONAL DEVELOPMENT

- Participated in many Conferences.
- Participated in several Workshops.

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