



Curriculum Vitae

Prof. Dr. Turki Kahawish Hassan

Mustansiriyah University/ College of Engineering

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PERSONAL SUMMARY:

- Prof. Dr. Turki Kahawish Hassan , Ph.D. in Electrical Engineering/ Power Electronics . Professor since 2020

EDUCATION:

- Ph.D. in Electrical Engineering since 2005, Power Electronics Specialization

ACADEMIC HONORS AND AWARDS:

- Privileged for the academic year 2015-2016
- Thirty letter of thanks from the Dean of the College
- Eight letter of thanks from the President of the University

ACADEMIC / TEACHING EXPERIENCE

- teaching in under graduate studies
- teaching at graduate / M.Sc.
- teaching at graduate / Ph.D.
- Supervision of theses

courses Taught:

Under graduate	Graduate
-Machines / fourth stage	-Power Electronics
-Statistics /third stage	-Advanced Control
-Machines Lab. /fourth stage	-Reliability
-Power Electronics Lab. /fourth stage	-Power Systems Protection

PROFESSIONAL AFFILIATIONS:

- Head of the Electrical Engineering Department for the period from 19/03/2015 till 2/10/2018.

PUBLICATIONS:

- **Single-Stage Grid-Connected Flyback Microinverter Operating in DCM for Photovoltaic AC Modules**
- **Design and Implementation of Single-Stage Grid-Connected Flyback Microinverter Operates in DCM for Photovoltaic Applications**
- **Three-Phase PWM Boost Rectifier Operating Under Different Input Voltage Conditions .**
- **Control Strategy for Three-Phase PWM Boost Rectifier Operating Under Different Supply Voltage Conditions .**
- **Power Control of Series-Parallel Resonant Inverter for Induction Heating Using Buck Converter**
- **Double Integral Sliding Mode Control of Buck Converters**
- **An Indirect Rotor-Flux-Oriented Control of a Two-Phase Induction Motor Drive.**
- **Performance Study Of A Self-Excited Single-Phase Induction Generator With Different Types Of Loads.**
- **Systematic Analysis and Design of Single-Phase Boost PFC Converter for Induction Motor Drive**
- **A Repetitive-PI Current Controller for Boost Single Phase PFC Converters.**
- **Design and Implementation of Single-Phase Boost PFC Converter.**
- **Analysis and Control of PWM Buck-Boost AC Chopper Fed Single-Phase Capacitor Run Induction Motor.**
- **Sensorless Vector Controlled Multilevel Inverter Fed BLDC Motor.**
- **V/f Speed Control of Five-phase Permanent Magnet Synchronous Motor Fed by Indirect Matrix Converter With Carrier-Based PWM.**
- **Modeling and simulation of quasi-Z-source indirect matrix converter for permanent magnet synchronous motor drive.**
- **Transformerless Photovoltaic Microinverter.**
- **Analysis and design of photovoltaic three-phase grid-connected inverter using passivity-based control.**
- **Reactive power control of grid-connected photovoltaic micro-inverter based on third-harmonic injection.**

- **Design and simulation of modular multilevel converter fed induction motor drive.**
- **Reduction of single DC bus capacitance in photovoltaic cascaded multilevel converter.**
- **Vector-controlled Permanent Magnet Synchronous Motor Using Indirect Matrix Converter.**
- **Maximum power extraction using twisting sliding mode controller for wind energy systems.**
- **Reduction of capacitor voltage ripple in modular multilevel converter using power decoupling channels.**
- **Design and simulation of high gain sepic dc–dc converter.**
- **Capacitor voltages balancing method for buck modular DC/DC converter.**
- **Design and simulation of a multi-receiver wireless power transfer system based on transmitter control method.**
- **Comparison of the Trapezoidal Current and Stepped 2-Level Modulation Techniques in Modular DC-DC Converter.**
- **Maximum Power Extraction for Wind Energy Systems Using a Double Integral Sliding Mode Controller.**
- **Induction motor drive based on modular-multilevel converter with ripple-power decoupling channels.**
- **Performance Comparison of Reactive Power Control Methods of Photovoltaic Micro-inverter.**
- **Analysis and simulation of a three-phase multilevel rectifier.**
- **Hybrid modular multilevel converter for vector-controlled induction motor drive.**
- **Fuzzy logic controller for a multistage current-controlled switched-capacitor step-down dc-dc converter.**

PROFESSIONAL DEVELOPMENT:

- Participation in the Renewable Energy Symposium, which was held by Electrical Engineering Department/ College of Engineering / University of Mustansiriya on 04/12/2016 .

Signature Head of Department

أ.م.د. ياسين يوسف محمد
رئيس قسم الهندسة الكهربائية
٢٠٢

Signature Vice Dean

الأستاذ المساعد الدكتور
عائض جلال الجبوري
معاون العميد للشؤون العامة

السيرة الذاتية



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ملخص تعريفي:

• ا.د. تركي كحيوش حسن – دكتوراه هندسة كهربائية- استاذ منذ 2020

الشهادات الدراسية:

• Ph.D. دكتوراه هندسة كهربائية/ الكترولنيات القدرة منذ عام 2005

الجوائز والتكريم الاكاديمي:

- متميز للعام الدراسي 2015-2016. تم تكريمنا من قبل السيد العميد بدرع التميز
- ثلاثون كتاب شكر من عميد الكلية.
- ثمانية كتب شكر من رئيس الجامعة

الخبرة الاكاديمية والتدريس:

- التدريس في الدراسات الاولية
- التدريس في الدراسات العليا/ ماجستير
- التدريس في الدراسات العليا/ دكتوراه
- الاشراف على رسائل الماجستير

المقررات الدراسية التي تم تدريسها:

الدراسات الاولية	الدراسات العليا
المكانن /مرحلة رابعة الاحصاء الهندسي / مرحلة ثالثة مختبر المكانن /مرحلة رابعة	الكترولنيات القدرة السيطرة المتقدمة الوثوقية حماية أنظمة القدرة

الانتساب المهني والجمعيات:


• رئيس قسم الهندسة الكهربائية للفترة من 2015/3/19 ولغاية 2018/10/2

المنشورات العلمية:

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- بحوث علمية:
 - هناك ثلاثة وثلاثون بحثاً في اختصاص الكترونيات القدرة منشورة في مجلات محلية وعالمية:
 - **Single-Stage Grid-Connected Flyback Microinverter Operating in DCM for Photovoltaic AC Modules**
 - **Design and Implementation of Single-Stage Grid-Connected Flyback Microinverter Operates in DCM for Photovoltaic Applications**
 - **Three-Phase PWM Boost Rectifier Operating Under Different Input Voltage Conditions .**
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- **Fuzzy logic controller for a multistage current-controlled switched-capacitor step-down dc-dc converter.**

- المشاركة في ندوة الطاقة المتجددة والتي تم عقدها في قسم الهندسة الكهربائية/ كلية الهندسة/ الجامعة المستنصرية بتاريخ 2016/12/4.
- المشاركة في المؤتمر العلمي الهندسي الرابع والاول في الهندسة المستدامة والذي اقامته كلية الهندسة/الجامعة المستنصرية للفترة من 2018/3/29-28



توقيع معاون العميد

الأستاذ المساعد الدكتور
عبدالله محمد عيسى
معاون العميد للشؤون العامة

توقيع رئيس القسم



أ.م.د. ياسين يوسف محمد
رئيس قسم الهندسة الكهربائية
٢-٢ / /