



ALI I ELGAYAR

CONTACT

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SUMMARY

Currently, I am the Director of the Research center of Technology at the College of Electrical and Electronics Technology- Benghazi (CEET). Achievements, I founded and established the research center of technology, I established a partnership with local and international institutions and organization, I have created 13 research groups in different fields. My interest in research in electromagnetic interference, high voltage, Transmission lines.

EDUCATION

PhD

2011 - 2017

Universiti Teknologi Malaysia (UTM)

I obtained PhD in the field of Electrical Engineering, high voltage and current.

Thesis: Induced Voltage on Gas Pipeline due to Alternating Current Total Interference of Faulted Overhead Transmission Line

Master

2009 - 2011

University Tun Hussein Onn Malaysia (UTHM)

I obtained my M.Sc. degree in electrical engineering with AGP 3.89 out of 4.

B.Sc.

2001 - 2004

University of Benghazi

I obtained my Bachelor's degree in electrical engineering (AGPA 3.49 out of 4).

WORK EXPERIENCE

College of Electrical and Electronics Technology- Benghazi (CEET)

2013 - Present

Director of Research Centre and Senior lecturer

- Develop and implement the research plans and finding sources of fund.
- Assisting and supervising various research groups to publish high-quality scientific papers.
- Provide training courses for researchers and faculty members.
- Resolving any challenges that might arise during the project.
- Cooperation with local and international institutions.

- Support the researchers to publish their work in scientific journals.
- Organize scientific conferences, workshops, training and publish a scientific journal.
- Head of the research group Electromagnetic Interference (EMI).
- Education relating to EMI, high voltage, and transmission line.
- Managing the research activities in the field of EMI, electromagnetic pollution, grounding.
- Consultant at the Bureau of International Relations

Halliburton

2006 - 2009

Logging and perforating engineer

- Responsible for tools calibration, and design tool string.
- Perform open hole (OH) and Cases hole (CH) jobs in offshore and onshore location.
- Prepare the paperwork, logs interpretation and the invoice.

Schlumberger

2005 - 2006

Stimulation (Fracturing) engineer

- Responsible for the outside job supervising, job simulation using FRAC CAD, pumps maintenance (triplex MD1000 & C pump), execution and evaluation of acid Frac jobs on land operations in Libya. Performed dynamic Frac jobs on land operation in New Mexico, US.

CERTIFICATIONS

1. Scientific Thinking and Argumentation Skills for problem-solving, organized by German academic exchange services (DAAD) Cairo Academy with cooperation with DAAD Tunis.
2. Effective Cooperation in Teams module, organized by DAAD Cairo Academy with cooperation with DAAD Tunis 25th April 2018
3. Academic writing course organized by UTM University, Malaysia.
4. Research methodology course organized by UTHM University, Malaysia.
5. Fracturing fluid test and design with Constien & Associate (C&A), Tulsa, Oklahoma USA).
6. Cementing Equipment operator course with SLB in UK.
7. Performing hands-on training with SLB in Hobbs New Mexico USA.
8. Explosive user in charge course in Fort Worth training center USA.
9. Radioactive material user in charge course in F.W training center USA.
10. Basic open hole log analysis course in F.W training center USA.
11. Logging & perforation Wallace reed pipe recovery school in Balikpapan, Indonesia.
12. Open Hole Field Professional School with Halliburton Company Texas, USA.
13. Basic Offshore Safety Induction and Emergency Training (B.O.S.I.E.T) course.
14. O.F.S1 course with Schlumberger Company (UAE).
15. IELTS English language certificate at British council of Cairo, Egypt.
16. High intensive English program at TLC, Missouri, USA.
17. Didactic teaching methods, organized by Cologne University, funded by DAAD, Koln, Germany.

PUBLICATIONS

1. Ali I Elgayar, Zulkurnain Abdul-Malek, (2016), "Induced Voltages on a Gas Pipeline due to Lightning Strikes on Nearby Overhead Transmission Line", International Journal of Electrical and Computer Engineering, Vol 6, No 2:April 2016.

2. Ali I. El Gayar, Zulkurnain Abdul-Malek, (2016), "AC Interference on Gas Pipeline due to Phase to Ground Faults in Overhead Transmission Line", International Journal of Electrical and Computer Engineering, Vol 6, No 3: June 2016.
3. Ali I Elgayar, Zulkurnain Abdul-Malek, Ibtihal Fawzi Elshami, (2014), "Wind-Induced Clearances Infringement of Overhead Power Lines", International Journal of Computer and Electrical Engineering, Vol. 6, No. 4, August 2014.
4. Chin-Leong Wooi, Zulkurnain Abdul-Malek, Noor-Azlinda Ahmad, Ali I. El Gayar (2016), "Statistical analysis of electric field parameters for negative lightning in Malaysia", Journal of Atmospheric and Solar-Terrestrial Physics, Volume 146, August 2016, Pages 69-80.
5. Ali I. El Gayar, Zulkurnain Abdul-Malek, Mohammed Imran M, Chin-Leong Wooi¹, Ibtihal Fawzi Elshami, (2017),"Conductive and Inductive Coupling between Faulted Power Lines and Buried Pipeline by Considering the Effect of Soil Structure", Indonesian Journal of Electrical Engineering and Computer Science, Vol. 5, No. 3, March 2017, Pages 656- 660.
6. Ali I. El Gayar, Zulkurnain Abdul-Malek, (2018),"Corrosion of Gas Pipeline due to Induced Voltage Caused by Electromagnetic Source in Vicinity", Second Scientific Conference of Oil and Gas, , Feb 2018, Pages 372- 388.
- 7- Ali I. El Gayar, Zulkurnain Abdul-Malek, Ibtihal Fawzi Elshami, (2018), " AC Total Interference between Faulted Power Lines and Nearby Steel Structure", Libyan International Conference on Electrical Engineering and Technology (LICEET 2018). Tripoli, Libya, March 4-7, 2018.
- 8- Ibtihal Fawzi Elshami, Ali I. El Gayar, Jafri Din, "Characterization of Concurrent Rain Attenuation and Tropospheric Scintillation in Tropical Region at 12.2 GHz ", Libyan International Conference on Electrical Engineering and Technology (LICEET 2018). Tripoli, Libya, March 4-7, 2018.
- 9- Ali I. El Gayar, " Effect of Wind Velocity on the Clearances of Transmission line Tower Top Geometries ", Libyan International Conference on Electrical Engineering and Technology (LICEET 2018). Tripoli, Libya, March 4-7, 2018.
- 10- Ibtihal F El-shami, Lam Hong Yin, Jafri Din, Ali I Elgayar, and Manhal Alhilali, "Tropospheric Scintillation with Rain Attenuation of Ku Band at Tropical Region", Telecommunication Computing Electronics and Control (TELKOMNIKA), Vol.16, No.5, October 2018, pp.1982~1987.

PROFESSIONAL ACTIVITIES, ACHIEVEMENTS, AND MERITS.

- Didactic teaching workshop at Cologne university, 2-7 December 2018, Koln, Germany.
- Briefing and Training for Directors and Staff of International Cooperation Offices of Libyan Higher Education Institutions” in Tunis, 24th – 26th April 2018, funded by DAAD.
- Member of the Libyan delegation to visit German high education institutions for Information trip organized by the DAAD Germany 24th -30th of June 2018.
- Attended the 5th DAAD Seminar for Leaders of Libyan Universities (Briefing- Exchange – Networking – Training) organized by DAAD Tunis, April 2018.
- Participated info-seminar, network meeting and training for scientists and leaders of Libyan higher education institutions organized by DAAD Tunis, 15th – 17th November 2017.
- Attend the official opening of the Arab German Young Academy (AGYA) regional office in Cairo,with a joint international conference on "Women Empowerment in Science, Technology and Innovation, Egypt, 25th Oct 2018.

INTERESTS

Boy Scout Leader and member of boy scout sailing team.

REFERENCES

1. **Zulkurnain Abdul-Malek, PhD**

Director / Professor

Institute of High Voltage & High Current (IVAT) , Universiti Teknologi Malaysia

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Head, Lightning and Safety Division, IVAT

2- **Prof. Dr. Mohammed Raafat Abou-zeid**

Professor, I&MSE Department

Faculty of Engineering - Benghazi university

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