

CURRICULUM VITAE

LOAI SAAD ELDEEN NASRAT

Name : *Loai Saad Eldeen Nasrat*
Gender : Male
Date of Birth : 12th May 1966
Nationality : Egyptian
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QUALIFICATIONS:

- Ph.D. in Electrical Engineering (Power & Machines), Ain Shams University, 1999.
- Diploma in Environmental Science, Institute of Environment, 1996.
- Diploma in Computers and Programming, American University in Cairo, 1994.
- M.Sc. in Electrical Engineering (Power & Machines), Ain Shams University, 1994.
- B.Sc. in Electrical Engineering (Power & Machines), Ain Shams University, 1988.

PRACTICAL EXPERIENCE:

I. WORK HISTORY

2022 - Till present: Vice-President for Education and Students Affairs, Aswan University.

2017 - 2022: Dean Faculty of Engineering, Aswan University.

- 2015 - 2017 : Dean Faculty of Commerce (Supervisor), Aswan University.
- 2006 - 2020 : Vice Dean of Education & Students Affairs, Faculty of Engineering, Aswan University.
- 2013 - Till present: Professor at Elec. Eng. Dept., Faculty of Eng., Aswan University.
- 2008 – 2009 : Vice Dean for graduate studies, Faculty of Eng., South Valley University.
- 2008 – 2012 : Associate Prof. Elec. Eng. Dept., Faculty of Eng., South Valley University.
- 2005 – 2006 : Head of Elect. Eng. Dept., Faculty of Eng., South Valley University.
- 2001 – 2005 : Assistant Professor, Elect. Eng. Dept., Faculty of Eng., South Valley University.

II. ACADEMIC EXPERIENCE

- Prof. at Aswan University, Faculty of Eng., Elect. Eng. Department. All literatures had been involved in both basic and applied research in the area of HV engineering. These researches interest HV insulators, polymeric materials, HV cables insulation, renewable energy and environmental studies.
- Author and Co-author of more than 130 papers on HV polymeric insulating materials and renewable energy published in technical journals and proceedings of national and international conferences.
- Supervisor for more than 115 M. Sc. and Ph. D thesis, for varies universities.

III. PATENTS

- ❖ Patent: Electronic Circuit for AC Induction Motor Speed Control Remotely – Egyptian Patent Office – Academy of Scientific Research Technology – Ministry of Scientific Research – No. 85, Jun. 2021.

- ❖ Patent: Pesticide Spraying Robot – Egyptian Patent Office – Academy of Scientific Research Technology – Ministry of Scientific Research – No. 82, Jun. 2021.

IV. PROJECTS

- ❖ CO-PI: For project “Probabilistic Planning of Power Systems Containing Sustainable Energies”, ID: 51861145406 – Academy of Scientific Research and Technology (ASRT), 2019.
- ❖ CO-PI: For project “Educational Lab Linked to the Egyptian Space Technology Education Platform” - Egyptian Space Innovation Lab – “Space I-Lab”- Egyptian Space Agency - Faculty of Engineering - Aswan University – 2021.

V. BOOK CHAPTERS

- ☒ A. Hamdy, S. Kamel, **L.Nasrat**, and F. Jurado, “Frequency Stability of Two-Area Interconnected Power System with Doubly Fed Induction Generator Based Wind Turbine”, In book: Wide Area Power Systems Stability Protection and Security , pp. 293 – 324, 2020.
- ☒ A. Ramadan, M. Ebeed, S. Kamel and **L. Nasrat**, “Optimal Power Flow for Distribution System with Uncertainly”, In book: Uncertainties in Modern Power System, Publisher: Elsevier, pp. 145 – 162, 2021.

VI. CONSULTANT EXPERIENCE

2001- Till present: Membership at studies and consultant engineering center:

- Review of design and implementation of lighting loads for Sohag sports stadium.
- Implementation and installation electrical network for Aswan educational hospital new buildings.

- Supervision of preparation and implementation cardiac care unit of Aswan general hospital.
- Design electrical supply network – University of Aswan plan.
- Testing of the quality of metal halide lamps and luminaires – Upper Egypt Company for electrical distribution in Aswan.
- Electrical load calculation, energy sources and data analysis for the commercial sector – Aswan governorate.
- Review for the 11 KV overhead transmission line network for El-Nasr phosphate Company – Edfo, Aswan governorate.
- Central Air-conditioning inspection and preparing a report of the inspection results – Cinema ElSadakah, Aswan governorate.

VII. RESEARCH ACTIVITIES

- Member of international council on large electric systems, D1 material for electro technology, (CIGRE), 2008.
- Participant at *IEEE Power & Energy Society (IEEE PES)*, IEEE Power and Energy Egypt Chapter, presented a Seminar on “Performance of High Voltage Polymer Insulator under Weather Pollution Condition”, 2009.
- Member of society for electronic waste recycling, 2010.
- Participant at *IEEE Power & Energy Society (IEEE PES)*, IEEE Power and Energy Egypt Chapter, presented a Seminar on “Investigation of End Cable Terminations”, 2010.
- Conferences Coordinator, *Middle East Power Systems Conference MEPCON*, 1998, 2008.
- Member at EDXCEL as external reviewer for quality education of America education technology center, 2013.

- Member at TVET for training students through “Steps Towards Global Industry”, 2014.
- Member of CIRED: working group, around and overhead networks life-cycle asset risk management, 2021.
- Partner at “How to write Erasmus+ proposal workshop”, Aswan University, 2015.
- Participant on Annual Economic Conference – Aswan Chamber of Commerce – 2015.
- Head of strategy planning unit, Aswan university, presented a Seminar on “Strategy of Aswan University Development and Implementation of Higher Education Plan”, 2015.
- Reviewer for translation book title “Programing PHP”, Elqaseem University, KSA, 2016.
- Participant on workshop of “National Archive Projects” – Strategies planning and policy support Unit – Ministry of Higher Education - Dec., 2017.
- Reviewer for translation book title "Robotics", Elqaseem University, KSA, 2017.
- Member of IEEE: Institute of Electrical and Electronic Engineers for dielectric society – 2018.
- Member of Curriculum and Instruction Committee for Center of Excellence for Energy (MIT) – Boston – USA - 2019.
- Member of project: Academic system resource planning – A fully-automated smart campus (ASRP) - No. 598757-EPP-1-2018- ERASUMS+ partner with (KTH), Stockholm – Sweden – 2019.
- Member of organization committee for “African Universities Youth Week” – AUYW – Aswan University – October 2019.
- Member of project: Secure automatic traffic violation recording system to limit traffic accidents and avoiding Saher system limitation based on the recent innovation in the technology – Proposal code No. 13-INF2456-08R – The long

term comprehensive national plan for science, technology and innovation - Imam Muhammed Bin Saud University, KSA - 2020.

- IEEE: Head in Egypt section – For Dielectrics and Electrical insulation society – 2021.

- Grants and funding of research team (International joint supervision of PhD students' program, University of Jaén - Span):

1- Beneficiary: Ahmed Mohamed Korashy.
Period: June 2018 to December 2018.
Financing received: 8000 EUR.

2- Beneficiary: Ayman Awad Abdou.
Financing received: 8000 EUR.
Period: June 2017 - December 2017.

3- Beneficiary: Mohamed Ebeed Hussein.
Financing received: 5000 EUR.
Period: January 2015 -July 2015.

4- Beneficiary: Hagag Abedul Jabir Mourttada.
Financing received: 8000 EUR.
Period: June 2019- December 2019.

5- Beneficiary: Mohamed Abdelkader Abdelhameed.
Financing received: 8000 EUR.
Period: June 2019- December 2019.

- Reviewer for international journals (Manuscripts):

1- Electric Power Components and Systems Journals (EPCSJ)

❖ Manuscript No.: UEMP – 2020 – 0095.

2- International Journal of Electrical Power and Energy Systems (IJEPES)

❖ Manuscript No.: IJEPES – 2020 – 3538R1.

❖ Manuscript No.: IJEPES – 2020 – 3767.

❖ Manuscript No.: IJEPES – 2020 – 3538.

3- Advance Composites Letters (ACM):

❖ Manuscript No.: ACM – 20 – 0051.

4- International Middle East Power Systems Conference (MEPCON 14 to 19).

❖ 2019 - Manuscript No.: 130 – 170 -2 – 127 – 146 – 98 – 310.

❖ 2018 - Manuscript No.: 169 – 164.

❖ 2014 - Manuscript No.: 168.

5- Assiut University Journal of Physics 2020 & 2021.

6- Al-Azhar Engineering 15th International Conference.