

# CV for Abdunnaser Shamekh

**Name: - Abdunnaser Sassi Shamekh**

**Date of Birth:-March 30<sup>th</sup> 1964.**

**Place of Birth: - Tripoli-Libya.**

**Academic qualification: - M.sc in electric power engineering.**

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## **Academic Qualification:-**

- B.Sc in electrical engineering from **Tripoli University**, Libya, in 1987. Electrostatic effects near high voltage AC transmission lines
- M.Sc in electrical power engineering from **TRipoli University** 1997. Thesis title: “**Power System Analysis Package for Power Students**”.

## **Power system analysis skills:**

- Power system analyst (load flow, short circuit and stability) using many commercial power system software packages (NEPLAN, ETAP and POSCOLAB).
- Steel complex and there affect on power systems.
- Power system planning and operational study according to IEEE and IEC standards.
- Voltage compensation and reactive power problems.
- Renewable energy studies
- Street Lighting studies

## **Languages:**

- Arabic language (mother tongue).
- English language (Fluent).

## **Professional Experience:**

- JR. engineer in the power system planning department of General Electric Company of Libya (GECOL) 1988-1995
- A manager of the operational study department in the Load Dispatch Center (LDC) 1995-2003
- A consultant in the planning department 2003-2004
- A manager of the technical planning department 2004-2012
- A assistant to the general manager of the planning dept. 2012-2019
- General Manager of Planning and Studies Department 2019-2020

- A lecturer at Tripoli University from 2020 – until now.
- A manager of the studies and development department at the Renewable Energy Authority of Libya (2021-until now). {Part-time}

## Accomplishment

- Participation in Load flow short circuit study for interconnected Libyan network (east and west).
- Participation in the planning operation of the Libyan network 1994 under the supervision of Hydro-Quebec International (HQI).
- Participation in the power system study for connecting the south Libyan network to the main grid to operate the Libyan system as one system 1995.
- Contribute of the Libyan Egypt Interconnection Study 1996.
- Contribute of the Libyan Tunisian Interconnection study 2000
- Contribute to the Update High Voltage Libyan Network supervised by Siemens 2005.
- Contribute to all the planning and operating studies for the Libyan network
- Contribute to the Update High Voltage Libyan Network supervised by PB 2010.
- Participation in electricity supplying for the water wells in the Libyan western mountain
- Member of the Mega Projects Planning Committee.
- Member of the International Committee for the feasibility study of Arab country interconnection under the supervision of the League of Arab States.
- Participation in the first version of the Grid Code for the Libyan Network.
- Supervision of projects (operation and planning networks and Renewable Energy )of the requirements for the Degree of B.Sc Electrical and Electronic Engineering.
- Reviewing the report of “National Energy Efficiency Plan for Libya 2021 -2023” done by RCREEE.
- Technical supporter for the bidding committee (REAOL) of the 170 MW EPC PV project 2022.
- Team leader for the preparation of the TOR of the 170 MW EPC PV project in 2022. (Adaptation of TOR of 14 MW project done by Fichtner to 170 MW project)

## Published conference papers:

- *B.M.Jomaa, M.A.Shalesh, A.S.Shamekh, F.M.Abugarrad* “*Experience with load modeling for Libyan System in Dynamic Stability*”, Proceeding of the 3<sup>rd</sup> Libyan Arab International Conference on Electrical Engineering, Vol. 3 March 1996 .
- *B.M.Jomaa, A.S.Shamekh, R.Goula F.M.Abugarrad,*” Proceeding of the 3<sup>rd</sup> Libyan Arab International Conference on Electrical Engineering, Vol. 3 March 1996.
- *Aburwin. B. , Mashena M. , A.S. Shamekh, Abuktheer L. “Analysis of Factors Affecting the Cost of Electrical Energy Production in Libya”, World Energy Council, 15th Congress, Madrid, Sept. 20-25/1992.*
- *Omar Mrehel, Abdunnaser Shamekh, M. Hamouda “Power System Transient Stability in The Presence of PV Generation ” STA 2016.*
- *Eman Almonsef Naser, Abdallah Fadel, Abdunnaser Shamekh, “Low Frequency Oscillation Analysis with PSS Parameter Variation” LICEET March 2018.*

- *Abdunnaser Sassi Shamekh, Ahmed Kamal, "Comparing the Different Method to Reduce the Starting Induction Motors of Al-Majed Steel Factory" LICEET March 2018.*
- *Mousa Alashter, Omar Mrehel, Abdunnaser Shamekh "Design and Evaluation a Distance Relay Model Based On Artificial Neural Networks (ANN)", 2020 6th IEEE International Energy Conference (ENERGYCON).*
- *Abdunnaser Shamekh, Amged Meshri, Omar Mrehel "Design and Simulation of Grid Connected Photovoltaic Solar Carport System and Study its Feasibility for Libyan Telecommunication Company" IREC 2020*