

# CURRICULUM VITAE



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## Personal Data:

Name : Balla Mohamed El Jack  
Profession : Electric Engineer  
Date of Birth : 1948  
Nationality : Sudanese  
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## Education:

1975 : MSc. of Electrical Engineering, Higher Institute of Mechanical and Electrical Engineering, Varna, Bulgaria.  
1985 : Ph.D. Electrical Engineering, Conical Reflectors Antennas.

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## Key Qualifications:

Have an extensive background in the fields of radio broadcasting transmission, planning of broadcasting transmitters, antennas, commercial communication systems etc.

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## Work Experience:

- 2003–To present , Assistant Professor of Electrical Engineering at Sudan University of Science and Technology, teaching courses on topics such as antennas, microwave circuits and components, digital communications and digital image processing.
- 2001–2003, Assistant Professor of Electrical Engineering at Omdurman Ahlia University, teaching courses on topics such as electronic circuits, signals and systems, electromagnetic fields and communication theory.
- 1994 – 2001, Engineer in the planning administration of Sudan National Radio Corporation, dealing with the planning problems of radio broadcasting transmitters and studios. In service instructor in series of courses organized by the Sudan National Radio Corporation for radio broadcasting engineers and technicians.
- 1985-1994, Engineer in the planning administration of Sudan Telecommunications Public Corporation, dealing with the planning problems of radio frequency management and radio monitoring, HF,VHF,UHF services, preparation of technical specifications for various communication systems, and evaluation of tenders for the supply of radio equipment.

- 1981-1985, Scientific degree PhD (in conical reflectors), dealing with the propagation of electromagnetic waves, radiation characteristics of conical reflectors excited by spiral or dielectric radiators, near and far field transformation, measurement of diffraction field and obtaining an expression for the electromagnetic field in the near and far zone.
- Engineer in the planning administration of Sudan Telecommunications Public Corporation, responsible for analyses of the various frequency management problems in conformity with radio regulations and CCIR recommendations, assignment and determining optimum frequencies for different radio communication systems, planning of MF/HF radio broadcasting transmitters and using CCIR technical data for finding the ground and sky-wave field strength of MW broadcasting transmitters.
- 1977-1979 Operation and maintenance engineer at Soba broadcasting transmitting transmitters.
- 1975-1977 Operation and maintenance engineer at Sennar MW, 1500 KW broadcasting transmitting station.

### Languages

Arabic : Mother Language  
English : Good