Basic Information :

Name : MOHAMED MOUSA SAYED EMAM AHMED

Title : Lecturer

Eng. Mohamed Moussa joined Faculty of Engineering and Technology since September 2006. He has been graduated from Electronics and Communications Engineering Dept., Faculty of Engineering and Technology ï Future University in Egypt. He achieved an excellent score {CGPA = 4. 0}.
September 2011, Eng. Mohamed Moussa joined the EED as a Teaching Assistant.
January 2012, Eng. Mohamed Moussa joined Electronics and Communications Engineering Dept., Faculty of Engineering, Ain- Shams University to follow up his postgraduate studies.
He achieved excellent results where he terminated successfully 10 courses with CGPA equals to 3.90.

Education:

Certificate	Major	University	Year
PhD			2022
Masters			2017
Bachelor			2011

Teaching Experience:

Name Of Organization	Position	From Date	To Date
FUE	Lecturer	02/10/2011	Current

Researches / Publications :

- Simulation and Optimization of Highly Efficacious Polymer Solar Cell
- Investigation of the Impact of Different Materials on the Efficiency of Lead-free Perovskite Solar Cell
- Efficient Perovskite Multi-Junction Cell with Twin-Layered Absorber
- Proposal and design of organic/CIGS tandem solar cell: Unveiling optoelectronic approaches for enhanced photovoltaic performance
- Solutions of a three-dimensional multi-term fractional anomalous solute transport model for contamination in groundwater
- Numerical Analysis of Carbon-Based Perovskite Tandem Solar Cells: Pathways Towards High Efficiency and Stability
- Investigation of High-Efficiency and Stable Carbon-Perovskite/Silicon and Carbon-Perovskite/CIGS-GeTe Tandem Solar Cells
- Design and Simulation of ETL-Free Perovskite/Si Tandem Cell With 33% Efficiency
- Simulation of High open-circuit voltage Perovskite/CIGS-GeTe tandem cell
- Investigation of Electron Transport Material-Free Perovskite/CIGS Tandem Solar Cell
- Analysis of an Efficient ZnO/GeTe Solar Cell Using SCAPS-1D
- High-Efficiency Electron Transport Layer-Free Perovskite/GeTe Tandem Solar Cell: Numerical Simulation
- High-efficiency modified tandem solar cell: Simulation of two-absorbers bottom subcell
- Two-Terminal Perovskite/Silicon Solar Cell: Simulation and Analysis
- Simulation of High-Efficiency Perovskite-Based Tandem Solar Cells
- On the Investigation of Interface Defects of Solar Cells: Lead-Based vs Lead-Free Perovskite
- Simulation of optimized high-current tandem solar-cells with efficiency beyond 41%
- High Efficiency Tandem Perovskite/CIGS Solar Cell

Generation of High Quality Microwave Signal Using Different Optoelectronic Techniques
Generation of High Stability Microwave Signal using Optoelectronic Oscillator based on Long Fiber Delay Line
Tunable Brillouin Opto-Electronic Oscillator based on double fiber loop mirror
High Quality tunable Brillouin optoelectronic oscillator
Exploring the optoelectronic properties and solar cell performance of Cs2SnI6-xBrx lead-free double perovskites: Combined DFT and SCAPS Simulation
Chapter :
Generation of High Quality Microwave Signal Using Different Optoelectronic Techniques
Other :
Simulation of Optimized High-Current Tandem Solar-Cells With Efficiency Beyond 41%.
EFFICIENT PEROVSKITE SOLAR CELL WITHOUT ELECTRON TRANSPORT LAYER.