

Basic Information :

Name : Lotfy Mohamed Nabih Sakr Mahmoud Sakr

Title : Professor



Lotfy Mohamed Nabih Sakr
Born on February 27, 1947

Education :

Certificate	Major	University	Year
PhD	Philosophy Doctor In Electrical Engineering ,Microwave Control Ground Stations	Supaero - France , Toulouse.	1980
Masters	Electrical Engineering , Phased Arrays Microwave Antennas and Electronic Schanning.	Brno Academy - Czechoslovakia	1976
Bachelor	Electrical Engineering , Radars and Communications	Military Tchnical College , Cairo , Egypt	1970

Teaching Experience :

Name Of Organization	Position	From Date	To Date
Cairo - 6th Of October City	Head Of The Developement And Training Sector , Nilesat الشركة المصرية للأقمار الصناعية نايل سات	01/01/1996	01/01/2014
MTC , Cairo , Egypt	Chairman Of The Basic Electrical Engineering Branch , at the Military Technical College	01/01/1994	01/01/1995
MTC , Cairo , Egypt	Professor in Electrical Engineering ,domain of Microwave High Gain Antennas and Satellite Communication at the Department of Antennas and Electromagnetic Fields.	01/01/1993	01/01/1995
MTC , Cairo , Egypt	Chairman Of The Electromagnetic Field Department at the Military Technical College	01/01/1989	01/01/1994
MTC , Cairo , Egypt	Assistant Professor in Electrical Engineering, domain of Microwaves , and Control Ground Stations	01/01/1985	01/01/1993
Cairo , Egypt .	Member of National Committee of Radio Science (URSI) , The Academy of Scientific Research and Technology.	01/01/1983	01/01/1995
MTC , Cairo , Egypt	Teacher in the fields of Microwaves ,Antennas , Propagation of the Electromagnetic Waves , and the Electromagnetic Field Theory.	01/01/1980	01/01/1985
Toulouse , France	Research member of (CERT)Research Center Of Toulouse , France	01/01/1977	01/01/1980

Conference :

The performance of the square and conical corrugatedhorns as monopulse feeds in the millimetric band,

The conical corrugated horn as an optimum monopulse feed for the cassegrain antennas

The higher order modes in the feeds of the satellite monopulse trackink antennas

Streaming of the TV and Radio programs

Analysis and fabrication of reflector antenna systems

Effect of mutual coupling on the maximum scan angles of a planar phased array antennas

The higher-order modes for automatic tracking and determination of attitude angles of satellites

Optimum choice of f/D ratio for the compact range parabolic reflector

Radiation pattern analysis of the monopulse parabolic antenna using the aperture theory

Dispersion characteristics of the hybrid modes in the circular corrugated waveguides

A phased array antenna for 3-D radars

Optimization of the sum and difference patterns of phased arrays

Full-wave analysis of rectangular microstrip structure using potential approach in the spectral domain

Performance of the Gun diode reflection amplifier

The bistatic radar cross section coefficient for a rough surface

More realistic analysis for the effect of dust storms on the microwave propagation

Complex guided waves over an active surface

Chapter :

Satellite Orbitography , for the satellite and control engineers

Thesis :

Phased Array Antennas and Electronic Scanning

Study of the corrugated monopulse feeds in the millimetric band and their applications in the Cassegrain Antenna Systems

Microwave propagation through dust storms

Scattering of electromagnetic waves by rough surfaces

The analysis and design of wideband microstrip antennas

Radar height finding by frequency scanning using artificial dielectric leaky wave antennas

Optimization of the sum and difference patterns of phased array antennas

Performance and limitations of electronic scanning arrays

Analysis and optimization of the microwave filters

Performance , analysis, and realization of microwave antenna systems

Awards :

Award	Donor	Date
Medal Of Excellent Performance	Egyptian President	01/01/1996
Certificate Of Commitment for Excellent Long Service	Egypt , MTC	01/01/1991
Medal Of Excellent Performance	Egyptian President	01/01/1970