Basic Information :

Name :	Lotfy Mohamed Nabih 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 anglesof 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 Schanning
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