



## **Area of Interest and Profile Form**

Name:	
Email address:	
accordance with your on-line application form, again	epartment of Electrical and Computer Engineering. In ain indicate your 1st and 2nd choice of interest. If you choices interest you most. If you check none of the subed in all sub-areas.
BIO-ELECTRICAL ENGINEERING	
CMOS sensor microsystems	Brain/Body machine interfaces
MEMS and microfluidics	Systems neurosciences
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COMPUTATIONAL ELECTROMAGNETICS	
Computational methods in microwave	
Computational methods in power-frequency e	electromagnetic
Intelligent design methods	
INTEGRATED CIRCUITS AND SYSTEMS	
	tegrated circuits; integrated microsystems and MEMS
Computer Aided Design for analog and digital	
Embedded systems, reconfigurable computing	•
Mixed signal testing and design for testability/	
	packaging and antennas in integrated systems
INTELLIGENT SYSTEMS	
Computer vision	Medical image processing
Human computer interaction	Robotics
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NANO-ELECTRONIC DEVICES AND MATER	IIALS
Nanoscale optoelectronics	Carbon electronics
Semiconductors and devices	Organic nano material and devices
Integrated and flexible piezoelectric/ultrasonic	
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PHOTONIC SYSTEMS	
Nonlinear optics	Photonic sensing and monitoring
Photonic integrated circuits, nano-photonics,	
Fiber optics communications, transmission sys	·
Optical data/computer devices and communic	

POWER ENGINEERING	
High power electronics	Distributed generation
Power system operations and planning	
SOFTWARE ENGINEERING	
Cyber-physical systems	Internet-scale software
Mining software repositories	Model-driven engineering
Release engineering	Requirements engineering
SYSTEMS AND CONTROL	
Robust control systems	Stochastic and adaptive systems
Discrete-event, hybrid and hierarchica	
Industrial, manufacturing, aerospace a	and robotic control
Nonlinear systems, nonholonomic con	trol and optimal control
TELECOMMUNICATIONS AND SIG	NAL PROCESSING
Communication systems	Digital signal processing
Network engineering	
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<b>Academic Profile:</b> Describe your academic profile, highlighting particular achievements, TA experience, scientific publications and relevant scholarships or awards.
scientific publications and relevant scholarships of awards.
Additional Information: Describe any other relevant information, including, for example, volunteer work, leadership positions, special circumstances, etc.
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