



Suruhanjaya Komunikasi dan Multimedia Malaysia
Malaysian Communications and Multimedia Commission
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PUSAT PENGURUSAN
PENYELIDIKAN (RMC)

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24/3

YBrs Prof. Dr.,

JEMPUTAN KEPADA UNIVERSITI TEKNOLOGI MALAYSIA UNTUK MEMOHON GERAN FULBRIGHT-MCMC

Dengan segala hormatnya kami merujuk kepada perkara di atas.

Suruhanjaya Komunikasi dan Multimedia Malaysia (MCMC) dengan usahasama Suruhanjaya Malaysia-Amerika mengenai Pertukaran Pendidikan (MACEE) telah melancarkan Geran Fulbright-MCMC bagi tahun 2015 bertujuan untuk meningkatkan lagi pembangunan, penyelidikan dan pembelajaran dalam bidang berkaitan Industri Komunikasi dan Multimedia.

Bagi makluman YBrs. Prof Dr., geran-geran yang ditawarkan adalah seperti berikut:

- i. Program Pengajian Siswazah untuk Pemohon Malaysia;
- ii. Program untuk Ahli Penyelidikan Kanan Malaysia; and
- iii. Program Jemputan Pakar dari Amerika Syarikat.

Maklumat lanjut adalah seperti dilampiran.

Justeru, sukacita kami menjemput Universiti Teknologi Malaysia untuk turut sama memohon geran ini. Sebarang pertanyaan bolehlah diajukan kepada **Puan Zura Afzan Ibrahim**, Penolong Pengarah Akademi MCMC di talian tetap 03-8688 8432 atau email di alamat zura.afzan@cmc.gov.my.

Sekian, terima kasih.

Yang benar,

KHANEZA KHALID

Ketua Bahagian Pengurusan Modal Insan dan Pembangunan Kompetensi

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Suruhanjaya Komunikasi dan Multimedia Malaysia
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AREAS OF RESEARCH AND PROJECT FOR FULBRIGHT-MCMC

No	Areas	Specific Research/Project
1	Content and Multimedia *	<ul style="list-style-type: none"> • Applications (e-government, e-health etc.) • Machine Learning For Multimedia Content Analysis. • Visual Saliency Computing • Social Multimedia Computing • Media Printing For Content-Based Copy Detection • Multi-Camera Co-operated Surveillance Video Analysis. • Background-Based Surveillance Video Coding/Transcoding.
2	Digital Lifestyles *	<ul style="list-style-type: none"> • Conceptualizing and Illustrating Digital Lifestyle of Youth • Effectiveness and Significance of Digital Lifestyle for a New Generation of Tech-Savvy Consumers • The Digital Lifestyle: Impact on the Consumerism • The Healthy and Vibrant Cyber Space • Safety Measures of Using Internet
3	Big Data *	<ul style="list-style-type: none"> • Effective Collection, Visualization And Communication Of Big Data • Data Scientist (Data visualization, mining etc.)
4	Internet of Things *	<ul style="list-style-type: none"> • Device Interactions in Smart Environments. • Device Recognition for Intuitive Interaction with the Web of Things. • Web-based Infrastructure for Smart Things. • Internet of Things Service Architecture
5	Information and Network Security *	<ul style="list-style-type: none"> • Incident Handling • Digital Forensic • Security Assurance • Data Protection • Information Risk Management • Cyber Threat
6	ICT Governance *	<ul style="list-style-type: none"> • Undertaking and promoting good regulatory practice as part of improving regulatory governance • Developing and improving self-regulation in communications and multimedia – theory, practice and awareness • Risk Management in regulatory decision-making • Assessment on the effectiveness of convergence policy and regulation in Malaysia
7	Digital Civil Society and Good Citizenry *	<ul style="list-style-type: none"> • Ubiquitous Digital Infrastructure • Media Literacy • Digital social connections and engagement • Safeguarding Youth • Nation Building • New Media and Social Impact • Outreach Initiatives

8	Mobile and Wireless	<ul style="list-style-type: none"> • Bandwidth-efficient modulation and coding • Signal Processing and Physical Layer Issues • UMTS Signaling Protocols and Procedures • Advanced UMTS Planning • Advanced LTE Planning, Parameters and Optimisation • Network Parameters and Optimisation • Circuit and Packet Core Protocols and Procedures • Next Generation Transport Networks (NGTN) • Metro Ethernet • Advanced LTE Signaling and Troubleshooting • Mobile Radio Propagation • Radiation Hazard
9	Network Infrastructure	<ul style="list-style-type: none"> • LTE QoS and Performance Analysis • LTE UMTS GSM Network Optimization • 5G Network • Heterogeneous Networks • Network Architecture and Services • Future Network and SDN Standardisation • High Speed Packet Access (HSPA) Optimization and Performance Management • Ethernet Radio and Link Engineering • Network Synchronization and Mobile Backhaul Networks • Fiber Network Planning • Network Capacity Enhancement Technology • FTTx and FTTH
10	Green Infocom	<ul style="list-style-type: none"> • Acoustic Noise Mapping • Reliable Information Delivery In Heterogeneous Sensor Networks (Rid) • Urban Sensing With Ads Networks
11	Cloud Computing	<ul style="list-style-type: none"> • Data security in the cloud • Cloud computing standards and compliance • Cloud governance
12	Programming and Communications Systems	<ul style="list-style-type: none"> • Ethernet Backhauling for 3G/4G Network • Traffic Engineering and Management • Basic Programming Language/Coding and Implementation in School
13	Digital Broadcasting	<ul style="list-style-type: none"> • Digital Terrestrial Television Broadcasting (DTTB) • Satellite Broadcasting • Digital Dividend • Digital Video Broadcasting – Second Generation Terrestrial (DVB-T2)
14	Information Technology (IT)	<ul style="list-style-type: none"> • Data Retrieval, Transmission and Manipulation
15	Resource Management	<ul style="list-style-type: none"> • Spectrum Management • Spectrum Refarming • Cognitive Radio

*Note: High priority