

**List of Secured External Fundings
(for the month of April 2012)**

| No | Project | Faculty | Funding agency | Project leader | Category |
|----|---|--|-------------------------------------|---------------------------------------|----------|
| 1 | Yayasan Universiti Multimedia (Postgraduate Scholarship) | Institute for Postgraduate Studies (IPS) | Yayasan Universiti Multimedia (YUM) | Assoc. Prof. Dr. Tio Kek Kiong | New |
| 2 | Efficient Algorithm and Scheme for Spectrum Mobility and Dynamic Resource Management in Cognitive Radio Oriented Wireless Network for Green Communication | Faculty of Engineering (FOE) | MOSTI (e-ScienceFund) | Dr. Mardeni Roslee | New |
| 3 | Performance Analysis of Stimulated Raman Scattering in Routing and Wavelength Assignment | Faculty of Computing and Informatics (FCI) | MOSTI (e-ScienceFund) | Dr. Tan Saw Chin | New |
| 4 | Self-Diagnostic-Alert Secure Mobile Electrocardiogram System for Tele-Healthcare | Faculty of Engineering (FOE) | MOSTI (e-ScienceFund) | Mr. Ling Huo Chong | New |
| 5 | Robust Watermarking for Real-time Multipoint Video Streaming System with H.264 Scalable Video Coding (SVC) Extension | Faculty of Engineering (FOE) | MOSTI (e-ScienceFund) | Assoc. Prof. Dr. Lim Wee Keong | New |
| 6 | Tunable Band Gap of Visible Light-Responsive Metal Oxide | Faculty of Engineering (FOE) | MOHE (FRGS) | Dr. Ong Boon Hoong | New |
| 7 | Investigation of NonLinear Effects in the Generation of Stable Multiwavelength Brillouin Erbium Fiber Laser | Faculty of Engineering (FOE) | MOHE (FRGS) | Dr. Nor Azura Malini Bt Ahmad Hambali | New |
| 8 | Investigation of Stimulated Brillouin Scattering in Optical Nanofibers | Faculty of Engineering (FOE) | MOHE (FRGS) | Assoc. Prof. Dr. Zulfadzli Yusoff | New |

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| 9 | Thermo-Luminescence Characteristics of Irradiated Germanium Doped Silica Optical Fiber | Faculty of Engineering (FOE) | MOHE (FRGS) | Assoc. Prof. Dr .Hairul Azhar Abdul Rashid | New |
| 10 | Revocable Biometric Template Protection Method with Hybrid Minutiae Descriptors | Faculty of Information Science and Technology (FIST) | MOHE (FRGS) | Dr. Ong Thian Song | New |
| 11 | Optimization of Figure-of-Merit (ZT) in Thermoelectric Nanostructures Through Physical and Chemical Routes | Faculty of Engineering (FOE) | MOHE (FRGS) | Ms. Low Pei Ling | New |
| 12 | Silicon Surface Characteristics to Interact with CO ₂ Laser for Micromachining | Faculty of Engineering and Technology (FET) | MOHE (FRGS) | Dr. Thet Thet Mon | New |
| 13 | Intelligent Design of Flexible Manufacturing Cell Facility Layouts in Robust and Uncertain Environment | Faculty of Engineering and Technology (FET) | MOHE (FRGS) | Assoc. Prof. Dr. Lee Tian Soon | New |
| 14 | A New DSP-Based Technique for High Performance RF Subsampling Receiver | Faculty of Engineering and Technology (FET) | MOHE (FRGS) | Assoc. Prof. Dr. Lim Heng Siong | New |
| 15 | An Intelligent Randomized Asynchronous Particle Swarm Optimization Algorithm (IRA-PSO) | Faculty of Engineering and Technology (FET) | MOHE (FRGS) | Ms. Nor Azlina Ab.Aziz | New |
| 16 | Provably Secure Searchable Proxy Re- Encryption Schemes | Faculty of Engineering (FOE) | MOHE (FRGS) | Mr. Yau Wei Chuen | New |
| 17 | Affective Roles of Ubiquitous Learning in a 'Patient Centred Health Care Model' | Faculty of Creative Multimedia (FCM) | MOHE (FRGS) | Dr. Koo Ah Choo | New |

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|----|--|---|-------------|--------------------------|-----|
| | for Malaysian Hospitals | | | | |
| 18 | Development of Theoretical Framework that Relates Multimedia E-Learning Design and Learners' Emotion | Centre for Diploma Programme (CDP) | MOHE (FRGS) | Mr. Liew Tze Wei | New |
| 19 | Laser Synthesis Nanodiamond In Fluidic Environment | Faculty of Engineering (FOE) | Perfik 2010 | Mr. Nee Chen Hon | New |
| 20 | Compression Technique in Steganography | Faculty of Engineering (FOE) | Perfik 2010 | Dr. Tan Yi Fei | New |
| 21 | Markerless Athlete Biomechanical Performance Analysis and Tracking. | Faculty of Engineering and Technology (FET) | TM R&D | Dr. Fazly Salleh Abas | New |
| 22 | Entrepreneurship Across Region; Regional Entrepreneurship Development Symposium 2012 (REDS) | Faculty of Management (FOM) | AKEPT | Dr. Kamarulzaman Ab Aziz | New |