

Provisional Research Topics for AUN/SEED-Net students 2009/2010

Advisor name	1. Assoc. Prof. Dr. Vijit Kinnares
Co-advisor name	Dr. Suphot Chunwiphat Dept. of Electrics Engineering Technology, College of Ind. Tech. KMUTNB
Proposed research topic (Should be relevant to ICT)	- Artificial intelligence based Electrical Machine Faults Diagnosis - On-line Laboratory System via Internet Network - Applying IT Tools to a Laboratory Course for Measurement Analysis and Design of Electric and Electronic Circuits
External collaboration (if available)	-
programme	For M.ENG degree For D.ENG degree
Advisor name	2. Asst. Prof. Dr. Anuwat Jangwanitlert
Co-advisor name	-
Proposed research topic (Should be relevant to ICT)	An Internal UPS for Desktop Computer Using Switched-Mode Power Supply
External collaboration (if available)	-
programme	For M.ENG degree
Advisor name	3. Asst. Prof. Dr. Pornchai Supnithi
Co-advisor name	-
Proposed research topic (Should be relevant to ICT)	Signal Processing for Communication and Data Storage, Magnetic Recoring System, Satellite Communication, Communication Theory
External collaboration (if available)	-
programme	For M.ENG degree For D.ENG degree

Advisor name	4. Assoc. Prof. Dr. Chanin Bunlaksananusorn
Co-advisor name	-
Proposed research topic (Should be relevant to ICT)	Analyses and Design of Power supply systems for ICT Equipment
External collaboration (if available)	-
programme	For M.ENG degree For D.ENG degree
Advisor name	5. Assoc. Prof. Dr. Werachet Khan-ngern
Co-advisor name	-
Proposed research topic (Should be relevant to ICT)	Electromagnetic Compatibility
External collaboration (if available)	-
programme	For M.ENG degree For D.ENG degree
Advisor name	6. Assoc.Prof.Dr.Somchat Jiriwibhakorn
Co-advisor name	-
Proposed research topic (Should be relevant to ICT)	Applications of AI in Electrical Engineering
External collaboration (if available)	-
programme	For M.ENG degree For D.ENG degree
Advisor name	7. Dr. Charree Teekaparvisit
Co-advisor name	-
Proposed research topic (Should be relevant to ICT)	Cooperative Transmission in MIMO Broad east Channel
External collaboration (if available)	-
programme	For M.ENG degree

Advisor name	8. Assoc.Prof.Dr. Issarachai Ngamroo
Co-advisor name	-
Proposed research topic (Should be relevant to ICT)	Synchronized Phasor Measurements-Based Wide Area Power System Stabilizing Control
External collaboration (if available)	Kyushu Univ. Prof Tadahiro GoDa Kyushu Inst.of Tech Prof Yasunori Mitani
programme	For M.ENG degree For D.ENG degree
Advisor name	9. Asst.Prof.Dr. Surin Kittitornkun
Co-advisor name	Dr. Sompob Pollamai
Proposed research topic (Should be relevant to ICT)	Application of Mobile Agent Technology for Control of Power Sources in Microgrid
External collaboration (if available)	Prof.T.Osaka University
programme	For M.ENG degree For D.ENG degree
Advisor name	10. Assoc.Prof.Dr. Taweepol Suesut
Co-advisor name	-
Proposed research topic (Should be relevant to ICT)	Metric vision, Real-time image Processing, Image Acquisition Application in automated industrial measurement, Food processing inspection system.
External collaboration (if available)	
programme	For M.ENG degree For D.ENG degree