

# ECE Orientation

25-01-2016

# Agenda

- Bangkok University
- BUCROCCS & GRADUATE program
  - People
  - Degree plan
  - Examination
  - Registration
  - Graduate Requirements
  - Scholarship
  - Study Progress report
- VISA
- Travel Insurance
- Dress code
- BU Services and Internet
- Contact Point
- Q&A

# Bangkok University

- The largest private university in Thailand
- Two Campus
  - City Campus
  - Rangsit Campus \*

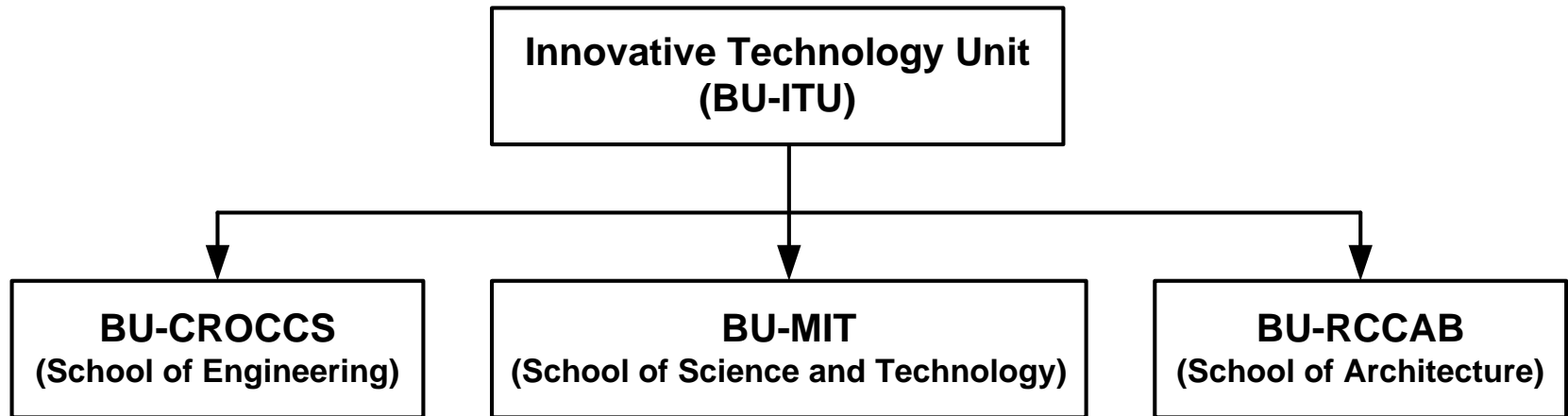
[Googlemap](#)

[Map](#)

# Bangkok University

- Consists of 11 schools
  - [School of Accounting](#)
  - [School of Business Administration](#)
  - [School of Communication Arts](#)
  - [School of Law](#)
  - [School of Humanities and Tourism Management](#)
  - [School of Economics](#)
  - [School of science and Technology](#)
  - [School of Fine and Applied Arts](#)
  - [School of Engineering](#)
  - [School of Architecture](#)
  - [School of Entrepreneurship and Management](#)

# BU-ITU



# BU-CROCCS

- Established in February 2012
- Brings together the expertise of various faculty members with research background
- Offers Internship opportunities
- Supports international, research-based postgraduate program



# Graduate Program

- International Curriculums (Since 2015)
  - Doctor of Engineering in Electrical and Computer Engineering
    - Track 1: For students holding master degree level
      - Three-year Program
      - Total Credits 48 Credits
      - Fundamental and Basic Topics (no credits)
        - » Research Methodology
        - » Seminars
      - Thesis 48 Credits
    - Track 2: For students holding Bachelor degree level
      - Four-year Program
      - Total Credits 72 Credits
      - Fundamental and Basic Topics (no credits)
      - Thesis 72 Credits
  - Master of Engineering in Electrical and Computer Engineering
    - Two-year Program
    - Total Credits 36 Credits
    - Fundamental and Basic Topics (no credits)
    - Thesis 36 Credits

# People

- 10 members (4 full-time researchers)
- Internship students from various universities in Asia and Europe



# People

## Dr. Karel Sterckx

*Director  
of BU-CROCCS*



- M.Sc. in Optoelectronics and Communications Systems from Northumbria University (UK)
- PhD from Swansea University (UK) for work on infrared wireless communication links
- Research areas:
  - Software Defined Communication Systems
  - broadband indoor Optical Wireless Communication

## Dr Tiparatana Wongcharoen

*BU exec. vice  
president for  
academic affairs*



- PhD from City University, London (UK) for work on Photonics and integrated optical systems.
- ◆ **Research:**
  - Numerical modeling of integrated optical systems

# People

## Dr. Poompat Saengudomlert

*Faculty member*



- M.S. and Ph.D. degrees, both in Electrical Engineering and Computer Science, from Massachusetts Institute of Technology (MIT), USA
- Research areas:
  - Software Defined Communication Systems
  - Communications theory

## Dr Romuald Jolivot

*Faculty member*



- Master in Computer Vision and Robotics (ViBot) from Heriot-Watt University (UK), Universitat de Girona (Spain) and Université de Bourgogne (France)
- Ph. D. in Instrumentation and Computer Vision from Université de Bourgogne (France)
- ◆ **Research:**
  - Computer vision
  - Image processing
  - Medical imaging
  - Biomedical instrumentation

# People

**Dr. Waleed S.  
Mohammed**  
*Faculty member*



- M.Sc. in Computer engineering, Cairo University (Egypt)
- M.Sc. and Ph.D. in Optics from University of Central Florida (USA)
- Research areas:
  - Optical fiber devices
  - Nanophotonics
  - Integrated optical systems
  - Optical sensors

**Dr Wisarn  
Patchoo**  
*Dean  
School of Eng.*



- M.Sc. In Electrical engineering from King Mongkuts Institute of Technology Ladkrabang, (Thailand)
- Ph.D in Electrical and Computer Engineering from Washington State University, (USA).
- ◆ **Research:**
  - Image processing

# People

## Dr Pakorn Uboldkosold

*Assoc. Dean  
School of Eng.*



- M.Sc. degree in Communications technology from Ulm University (Germany)
  - Dr.-Eng. degree in Electrical engineering in from Siegen University, (Germany).
- Research areas:
- Wireless communications
  - Applied estimation theory
  - Image processing
  - Integrated navigation systems

## Dr Natthaphob Nimpitiwan

*Assistant to the  
President, BU*



- M.Sc. and Ph.D. degrees in Electrical engineering from Arizona state University (USA).
- ◆ Research:
- Sensors and sensors network
  - Control systems

# People

**Dr Chakkaphong  
Suthaputchakun**  
*Director of  
ECE-grad program*



- M.Sc. in Electrical and Computer Engineering from University of Massachusetts at Amherst, (USA).
- Ph.D. in Electronic Engineering from University of Surrey, (UK)
- **Research areas:**
  - Wireless Sensor Network (WSN)
  - Mobile Ad-hoc Network (MANET)
  - Spacecraft and Satellite communications
  - Secure routing protocol
  - MAC protocol

**Dr. Charusluk  
Viphavakit**  
*Researcher*



- **M.Sc. In Nanotechnology, Asian Institute of Technology (Thailand)**
- **Ph.D. in Electrical engineering Frederick University (Cyprus)**
- ◆ **Research:**
  - **Nanophotonics**
  - **Integrated optical systems**
  - **Optical sensors**
  - **Numerical modeling**

# Graduate Program

- Degree plan
  - [Doctor of Engineering](#)
  - [Master of Engineering](#)
- Examination
  - Candidacy
  - Proposal
  - Final Defense
- Registration
- Graduate Requirements

# Scholarship

- Bangkok University does provide partial/full financial assistance
- Acceptance and Scholarship Letter
  - Used during the registration
  - Keep it safe during your study

# Progress Report

- [Interim Review Form](#) must be submitted at the end of each semester
- Study Progress must be Presented at the end of each semester
- [Annual Review Form](#) must also be submitted at the end of each year

Both forms can be downloaded from [ece-grad.bu.ac.th](http://ece-grad.bu.ac.th)



# VISA

- Must be valid during your study
- Send a copy of your passport and VISA to university
  - Monitoring and remind you if it is expiring
  - Bangkok University will provide
    - The necessary documents for VISA extension
    - Directions to the immigration office

# Travel Insurance

- Bangkok University has well-equipped clinics on campus which, in case of common illness, students can visit free of charge.
- For more serious cases, Thammasat University Hospital (governmental) and Rangsit General Hospital (private) are close to the Rangsit campus, and Sukhumvit Hospital (private) is close to the City campus.
- However, these hospitals are NOT free of charge.
- Students are strongly advised to buy their own travel insurance that covers the period of their stay.

# Dress code

- Polite Dress
  - Women: Long pants (for students, this may be a jeans) or skirts/dresses of appropriate length, blouse, shirt or polo shirt. T-shirts, shorts and miniskirts should not be worn.
  - Man: Long pants (for students, this may be a jeans), shirt or polo shirt. T-shirts and shorts should not be worn.
  - Foot ware: Shoes only. Sandals and flip flops are not allowed.

# BU Services and Internet

- BU Online Services can be founded at [BU Student](#)
- Internet can be accessed via Wi-Fi (BU-Airnet) throughout the university using Student Account

# Online Assessment

- At the end of each semester
  - You will be asked to provide feedback for each class (including Thesis)
  - This process is called “Online Assessment”
  - Complete it by the deadline (Mandatory)

# Contact Points

- Your Supervisor
- Dr. Chakkaphong Suthaputchakun\*
  - 2<sup>nd</sup> floor, Engineering Building
  - Tel: 02-902-0299 Ext 2622
  - Email: [chakkaphong.s@bu.ac.th](mailto:chakkaphong.s@bu.ac.th)
  - Email: [ece-grad@bu.ac.th](mailto:ece-grad@bu.ac.th)
- Dr. Karel Sterckx
  - 6<sup>th</sup> floor, Engineering Building
  - Tel: 02-902-0299 Ext 2321
  - Email: [karel.s@bu.ac.th](mailto:karel.s@bu.ac.th)
- Dr. Pakorn Ubolkosold
  - 2<sup>nd</sup> floor, Engineering Building
  - Tel: 02-902-0299 Ext 2626
  - Email: [pakorn.u@bu.ac.th](mailto:pakorn.u@bu.ac.th)
- Dr. Wisarn Patchoo
  - 2<sup>nd</sup> floor, Engineering Building
  - Tel: 02-902-0299 Ext 2621
  - Email: [wisarn.p@bu.ac.th](mailto:wisarn.p@bu.ac.th)

# Summary

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  - Year establishing
  - People
  - Degree plan
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# Q & A