# **1** Universities in Vietnam

- Two national universities
  - Vietnam National University, Hanoi (**VNU**)
  - Vietnam National University, Hochiminh City (**VNU-HCM** or **HCMC VNU**)
- Many other universities
- HCMC VNU (http://en.vnuhcm.edu.vn/) contains many *universities* ("sub-universities") and institutes, schools, faculties:
  - University of Technology
  - **University of Science**
  - etc…

Schools in University of Science:

- School of Mathematics
- **School of Information Technology** (FIT - HCMUS)
- School of Physics, etc…

Misunderstanding:

- We usually use "*school*" and "*faculty*" the same meaning
- FIT (my school) means "*Faculty of Information Tech.*"

# **3** Departments in FIT - HCMUS

**Computer Science**

- Provides the advanced knowledge and skills to create various integrated applications having intelligent behaviors

**Information Systems**

- Provides the knowledge to help students to implement and develop IS Projects in economic administration, official management, information retrieval…

**Knowledge Engineering**

- Provides the knowledge in cryptography, security and natural language processing

# 3 Departments in FIT - HCMUS

**Software Engineering**
- Provides knowledge in implementing, managing, and maintaining projects which help students to design and implement the high quality software products.

**Computer Networks & Telecommunication**
- Provides the knowledge in telecommunication through wide-area networks, local area networks, and distributed database systems

**Computer Vision & Robotics**
- Provides the knowledge in digital image and video processing, computer vision and robotics

# Departments - Teaching staff

**Faculty members ≈140**

- **55  staffs (Assoc. Professors, Senior Instructors, Instructors, 38% PhD, 72%MSc)**

- **33 Teaching Assistants**

- **12 Serving Staffs**

# 4 Research Labs

**Software Engineering Laboratory (SELab)**

- Doing research and developing software inside and outside the country.

**Artificial Intelligent Laboratory (AILab)**

- Doing research in Computer Science and Knowledge Engineering field.

**Network Security Laboratory (NSLab)**

- Doing research in Computer Network and Telecommunication field.

# Programs and Degrees

- **Doctor of Philosophy in Computer Science**
  - ~10 Ph.D. students / intake
- **Master of Science in Computer Science**
  - ~ 60-80 students / intake
- **Bachelor of Science in Computer Science**:
  - For regular fulltime students, 550-600 students/intake:
    - Regular Program ~ 450 students
    - **Advanced Program** ~ 40 students (first intake : 2006)
    - **Honors Program** ~ 40 students (first intake: 2002)
    - Partially French speaking Program ~ 20 students (first intake: 1994)
- **Associate Bachelor of Science in Computer Science (3-year program)**
- **Other Programs:**
  - Continuing Study Program
  - Second Bachelor Degree
  - Distance Learning Program (Bachelor and Associate Degrees): first intake 2006

- **Information Retrieval**
  Dr. HO Bao Quoc, Assoc. Prof. DONG Thi Bich thuy

- **Vietnamese Computational Linguistics**
  Assoc. Prof. DINH Dien

- **Spoken Language Processing**
  Dr. VU Hai Quan

- **Soft Computing**
  Assoc. Prof. LE Hoai Bac, Dr. LE Hoang Thai

- **Integrated and Intelligent systems**
  Assoc. Prof. DUONG Anh Duc, Dr. DINH Ba Tien

# **5** Research groups

- **Concrete Structure and Models**
  Assoc. Prof. NGUYEN Dinh Thuc
  Assoc. Prof. TRAN D. Thu

- **Software Development Process & Technology**
  Assoc. Prof. TRAN Dan Thu
  Dr. TRAN Hanh Nhi

- **Computer Vision**
  Dr. LY Quoc Ngoc
  Dr. TRAN Thai Son

- **Data Mining**
  Assoc. Prof. LE Hoai Bac

# Publication

| Year | International journal publications | International conference publications | National journal publications | National conference publications |
|------|------|------|------|------|
| 2009 (50) | 9 | 36 | 4 | 1 |
| 2008 (47) | 1 | 19 | 16 | 11 |
| 2007 (31) | 4 | 14 | 5 | 8 |
| 2006 (26) | 3 | 8 | 2 | 13 |
| 2005 (17) | 1 | 9 | 4 | 3 |

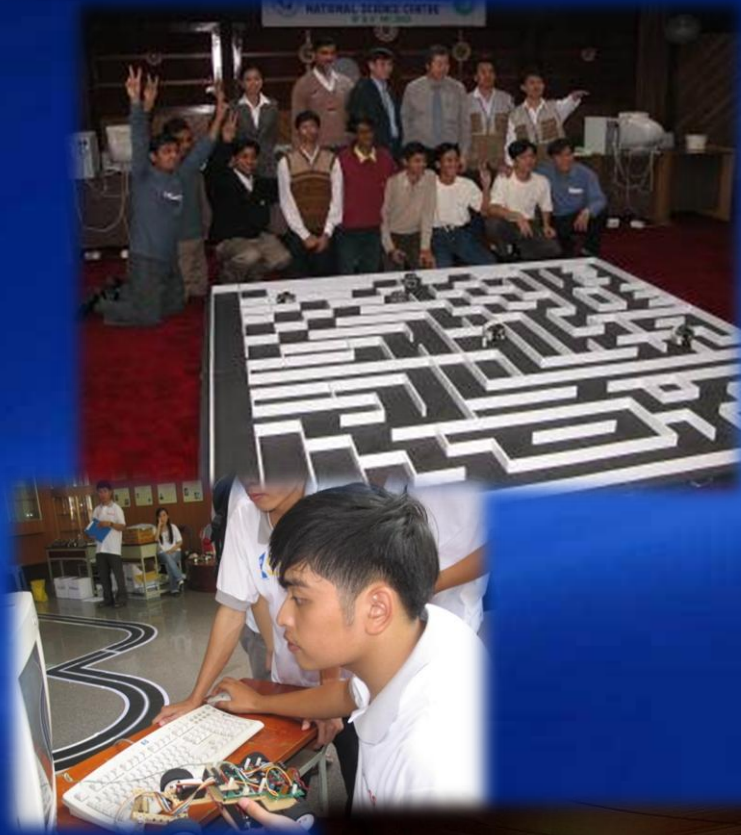2010: 64 papers in Journals and Proceedings of Conferences

# **6** International Collaboration

- Japan:
  - National Institute of Informatics (NII)
  - Toyota technological Institute (TTI)
  - Japan Advanced Institute of Science and Technology (JAIST)
- France:
  - Many Universities in Paris, Lyon, Grenoble, Toulouse, Orleans,…
- Korea
  - KAIST
  - POSTECH
  - Ajou University
  - Chonnam National University
- USA:
  - Portland State University
- Australia:
  - University of Canberra
- Canada
  - University of Monreal, Université de Trois-rivières

# 7 Students' Activities & Scientific Research



- 1st prize in Asia Games's Micromouse race and Maze Solving, held by Asian Infor-Communication Council (AIC)

- National Prizes for student scientific research projects awarded by the Vietnamese Ministry of Education and Training

- National Prizes of Scientific and Technological Invention awarded by The Vietnam Fund of Technological Creation (VIFOTEC)

# ACM – World Final 2008 - 2010 - 2011

# **8** Students' Activities & Scientific Research

- Prizes in Vietnam Student Olympiads in IT
  - 1st and 2nd prizes in Super Cup Competitions
  - 1st prize in Open Source Software Competition
  - 1st prize in Specialized Informatics Collective Teams Competition
  - 1st prize in Non-Informatics Collective Teams Competition
  - …

# **8** Students' Activities & Scientific Research

- National Olympic in Computer Science for undergraduate students
- National Scientific – Technological Awards for Young Scientists of National Center for Natural Sciences and Technology of Vietnam
- Ho Chi Minh City Students' Scientific Research awards – EUREKA
- Medals for Young Scientists of the Central of Youth Union
- Prizes of Youth IT Talent awarded by the Vietnamese Association of Information Processing (VAIP).

Thank you !