Advanced Network Database Laboratory

We Want YOU!!
Recruit 2012

NetDB Lab
CSIE@NCKU
Faculty

• Kun-Ta Chuang 莊坤達
• Received the Ph.D. degree in Electrical Engineering, National Taiwan University, 2006
• Working Experience
  – Assistant Prof.
    • National Cheng Kung Univ., 2011-Now
  – Senior Engineer
    • Synopsys Inc, 2006-2011
  – Engineer
    • UniPattern Inc, 2002-2004
  – Software Intern
    • Philips Research East Asia, Taipei, 2001
實驗室發展方向

- We are focusing on
  - Database Systems (資料庫系統)
  - Data Mining (資料探勘技術)
    - Multimedia Data Mining (多媒體資料分析)
    - Finance Data Analysis (金融資料分析)
    - Social Network Data Analysis (社群網站資料分析)
    - HealthCare Data Mining (醫療資訊探勘)
    - Location-Aware and Trajectory Data Mining (軌跡資料庫分析)
  - Mobile Data Management (無線資料管理)
    - Data Management on Mobile P2P/Mobile Sensor Network
  - Web Intelligence (網路智慧運算)
    - Information Analysis on the Large-scale Web
    - Mash-up Technology
Industry/Organization of Database and Internet Data Management
TECHNOLOGIES OF DATA MANAGEMENT ARE THE PROMISING KNOWLEDGE IN THE SOFTWARE INDUSTRY!

We are focusing on
Android (Client) + Cloud Database (Server)
Location-based Content Search
Online Microblog Data Aggregation
Web Personalization Service
Personalization in Mobile Computing
...

Our Students

• Will study with the industrial working style
  – Work/Write code in the Client (Terminal in PC/latop) – Server (Red-Rat Enterprise + VMs) envornnment
  – Linux + IDE (Eclipse) + Open-Source Development toolkit + Industry-Level Coding Requirement

• Will team-up to pursue the mountaintop of the world
  – APP contest, e.g., 中華電信電信創新應用比賽
  – KDD Cup

• Will have the opportunity to be summer interns in top-tier software companies
  – Yahoo!, Google, TrendMicro
Our Students

- Will have research grant per month
- Will have full travel grant for the presentation of international conference papers
- Will have the award for journal publish
Our Current Projects

• Cloud-Based Data Mining Capabilities (Cloud Center, NCKU)
  – Devise new Data Mining technologies in the new cloud-based environment, e.g., hadoop, Google APP Engine

• Cloud-Based Queries Engine for Spatial Database (Cloud Center, NCKU)
  – Devise spatial index and query algorithms in the cloud environment
  – Android-based frontend

• Lightweight Queries on the ROAD networks (NSC)
We Read Papers from

• Distinguished Conferences
  – ACM SIGKDD
  – ACM SIGMOD
  – VLDB
  – IEEE ICDE
  – EDBT
  – WWW
  – ACM SIGIR
  – IEEE ICDM
  – SIAM DM
  – CIKM

• Top-Tier Journals
  – ACM Trans. Database Systems (TODS)
  – VLDB Journal (VLDBJ)
  – IEEE Trans. on Know. and Data Engineering (TKDE)
  – ACM Trans. on Know. Discovery from Data (TKDD)
  – ACM Trans. on Intelligent Systems and Technology (TIST)
  – IEEE Trans. on Pattern Analysis and Machine Intelligence (PAMI)
You use

EVERYDAY!

• You are the one we want!
• Send me an Email
  – ktchuang@mail.ncku.edu.tw

Why not to study their technologies?