



2018 APAC HPC-AI Competition

Gilad Shainer, Chair of HPC-AI Advisory Council

March 27th, 2018

- **Coach:**
 - Prof. Wei Xue
- **Team Member:**
 - **Ping Xu**
 - Yuxuan Li
 - Kai Xu
 - Kan Liu
 - Jiacheng Song
- **Special:**
 - Won the 2016 ACM Gordon Bell Prize
 - Won the 2017 ACM Gordon Bell Prize



- **Team Member:**

- Tiancheng Jin
- Haonan Qiu
- ZiJing Zong
- Yin Zhu
- Haoyan Yin
- Xiaohu Li

- **Special:**

- Won the Third Prize of The Fifth Student RDMA Programming Competition



- **Coach:**
 - Prof. Shanjiang Tang
- **Team Member:**
 - **Hao Fu**
 - Yanjie Liu
 - Zhicheng Yang
 - Haotian Qi
 - Shihao Shen
 - Wenwen Zhang



天津大学
Tianjin University

- **Coach:**
 - Prof. Hong An
- **Team Member:**
 - **Chengfan Jia**
 - Junnan Liu
 - Binghui Yan
 - Han Lin
 - Guofeng Lv
 - Mingfan Li
- **Special:**
 - Got the highest scores in all applications and HPCC benchmark test in ISC14
 - Won both LINPACK and Overall winner in SC16



- **Coach:**
 - Prof. Guowei Shen
- **Team Member:**
 - Runhua Zhang
 - Ke Yang
 - Peng Guo
 - Wenbo Zhao



- **Coach:**

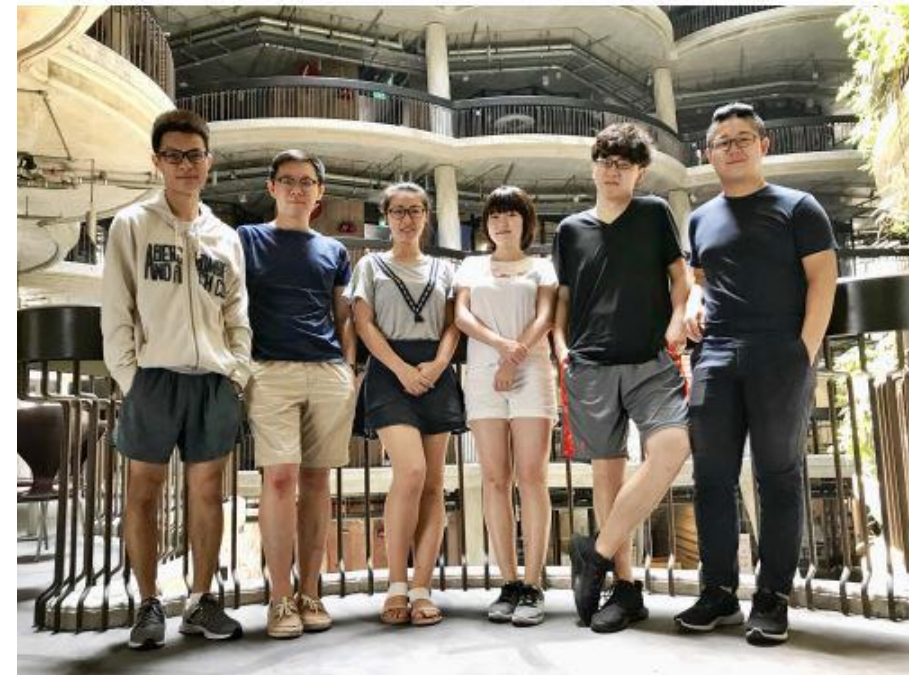
- Prof. Guosheng Lin

- **Team Member:**

- **Ziji Shi**
- Siyuan Liu
- Yiyang Shao
- Hailin Chen
- Meiru Hao
- Youlin Shen
- Xinye Zhang
- Bian Wu
- Liu Cao
- Zhilin Huang

- **Special:**

- Won the Champion and broke the HPL world record at SC17 student cluster competition
- Won the Deep Learning Excellence Award from ISC17 student cluster competition



- **Coach:**

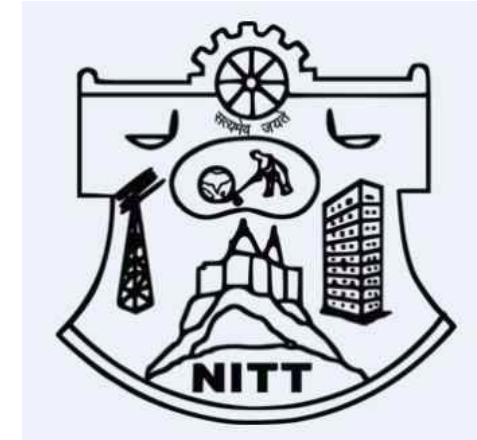
- Prof. Hongliang Ren

- **Team Member:**

- **Mobarakol Islam**
- N Rajiv Vaidyanathan

- **Special:**

- Achieved excellent performance in Brain Tumor Segmentation (BraTS 2017) competition and Ischemic Stroke Lesion Segmentation (ISLES 2017) competition
- Prof. Ren is the recipient of IAMBE Early Career Award 2018



- **Coach:**
 - Prof. Teo Shin Jen
- **Team Member:**
 - **Nikhil Raghavendra**
 - Bryan Tee
 - Charles Lim
 - Lim En Hui James
- **Special:**
 - Won the AWS HackDay 2016 hackathon
 - Got A for the 3.007 module in SUTD
 - Got the NYAA (National Youth Achievement Award) bronze award

**SINGAPORE
POLYTECHNIC**

SP



- **Coach:**

- Prof. Jaejin Lee

- **Team(SnuCL) Member:**

- **Wookeun Jung**
- Jungho Park
- Gangwon Jo
- Thanh Tuan Dao
- Jaehoon Jung

- Jungwook Kim
- Heehoon Kim
- Hyungmo Kim
- Youngdong Do
- Pyeongseok Oh
- Janghyun Son

- **Special:**

- Accelerating various HPC applications using GPU clusters
- Accelerating deep learning frameworks such as Caffe and TensorFlow



SEOUL
NATIONAL
UNIVERSITY



**Multicore Computing
Research Laboratory**

멀티코어 컴퓨팅 연구실

- **Coach:**

- Prof. JongWon Kim
- Prof. Chi-Ok Hwang

- **Team Member:**

- **Namgon Lucas Kim**
- Jincheol Kwon
- Jeong-Woo Lee

- **Special:**

- Working on research project that configures GPU-accelerated HPC/AI cluster and implement the related applications



- **Coach:**
 - Prof. Chantana Chantrapornchai
- **Team Member:**
 - **Chayanin Tongphasook**
 - Miss Panida Khuphiran
 - Pisit Srijan
 - Mr. Buddhinai Khemjinda
 - Phattharaphon Romphet
- **Special:**
 - Had done lots development work in Tensorflow, CNTK & HPC
 - Had selected to final competition of ISC 2018 and ASC 2018



- **Coach:**

- Prof. Worawan Diaz Carballo
- Prof. Prapaporn Rattanatamrong

- **Team Member:**

- **Tanakorn Sawanglok (Sun)**
- Wisit Tipchuen (Tos)
- Surapol Kunsarwat (Pom)
- Ayuth Mangmesap (Bay)
- Yootana Boonpalit (Oat)
- Tanadoon Lap (Doon)
- Supitcha Buabang (Aum)
- Supaporn Thongsak (Wow)



- **Special:**

- Joined many HPC & AI competitions

- **Coach:**

- Prof. Yu-Hsiang Peng
- Prof. Chia-Wei Chou

- **Team Member:**

- Yung-Sung Lai
- Wei Sheng Zheng
- Yi-Lun (Serena) Pan
- Yu-Hsiang Peng
- Chia-Wei Chou
- Wei Sheng Zheng

- **Special:**

- Strong experience in AI and RDMA.



National Taiwan University

- **Coach(Caffe):**

- Prof. Chi-Chuan Hwang
- Prof. Chao Chin Li

- **Team Member(Caffe):**

- **Chun Chieh Chuang**
 - Hui Hsuan Lee
 - Po Hsiang Juan
 - Chao Hsun Lo
 - Zhe Hao Liu
 - Ze Wun Wang
- Ja Ming Hu
 - Zhao Jia Chen
 - Liang Kai Wen
 - Ren Xiang Sung
 - Chao Chin Li



- **Special:**

- Won the championship of TSCC (Taiwan Student Cluster Competition) in 2016
- Won several HPC championships all over the world
- Achieved excellent scores on the competition and obtained the highest honor in the Spring of 2016

- **Coach(TensorFlow):**

- Prof. Yun-Che Wang
- Prof. Chao Chin Li

- **Team Member(TensorFlow):**

- **Yen-Cheng Chu**
- Yu-Jen Lin
- Jyun Yu Lin
- Yu-An Su
- Chia-Chun Chien
- Ting-Yang Kao
- Yun-Chung Cheng
- Chieh Min Hsu
- Wan Chen Liang
- Ji-Ting Wu
- Chao Chin Li



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- **Coach:**
 - Prof. Taro Tezuka
 - Prof. Kei Wakabayashi
- **Team Member:**
 - **Koga Kobayashi**
 - Tetsuya Motokawa
 - Masamune Kobayashi
 - Motofumi Shishikura
 - Namekawa Sizuma
 - Masaki Taniuguchi
 - Makoto Hiramatsu
 - Shohei Kikuchi



- **Coach:**

- Prof. Muhammad Abdur Rahman
- Prof. Annajiat Alim Rasel

- **Team Member:**









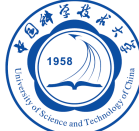














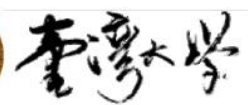


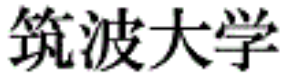




- **Monamy Islam**
- Md. Asif Bin Khaled
- Wasif Shafaet Chowdhury
- Shaekh Hasan Shoron
- Monjur Rakib Bhuiyan
- Mahmudul Hasan
- Md Shaown
- Sumaya Habib
- Raihanoor Reza Rayon
- Raiyan Kabir
- Shahan Jamil Bhuiyan



- **Special:**

- 2nd position in National Undergraduate Mathematics Olympiad – Regional (North Region) 2016
- Won BRACathon (first ever Hackathon by BRAC)

2018 APAC HPC-AI Competition Team

China	        
Singapore	     
Korea	  
Thailand	  
Taiwan	   
Japan	  
India	 
Bangladesh	



The banner features a dark background with a glowing orange globe on the right side. The globe is connected to various icons representing AI, education, and science. The text 'APAC HPC-AI 2018 Competition' is prominently displayed in the center. The word 'Competition' is in a large, bold, orange font with a white outline. Above it, 'APAC HPC-AI' and '2018' are in a smaller white font. In the top left corner, there are logos for NSCC Singapore and HPC·AI Advisory Council.

SG
NSCC
SINGAPORE
National
Supercomputing
Centre

HPC·AI
ADVISORY COUNCIL
NETWORK OF EXPERTISE

— APAC HPC-AI — 2018
Competition

- <http://hpcadvisorycouncil.com/events/2018/APAC-AI-HPC/>

Thank You

