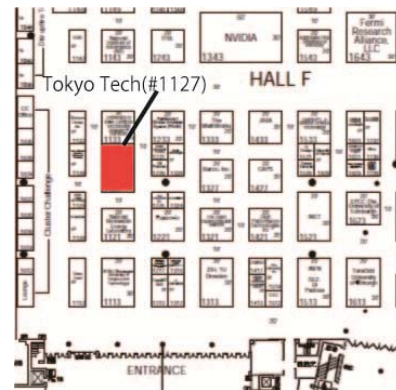Visit Tokyo Tech at Booth 1127 in the SC10 Exhibition Hall
November 13-19, Ernest N. Morial Convention Center
New Orleans, Louisiana, USA

SC10 is the international conference for high performance networking, computing, storage, and analysis. The Tokyo Tech Booth, #1127, will showcase the latest TSUBAME2 Project. The GPU-centric TSUBAME2 will be the first national PFlops supercomputer in Nov. 2010, succeeding highly successful TSUBAME1 in Japan. TSUBAME2 is being co-designed with major HPC vendors, with the latest Multi-core CPUs, GPUs with our petascale SW and apps, full-bisection multi-rail IB network, Near-TB/s I/O combining Flash memory with 11 PBytes disk fabric, and innovative cooling for world's best power-efficiency.

Booth Highlights

- Top Computational Scientists to Provide Talks in Tokyo Tech's Booth #1127. The speakers include:

  - Dr. Jeffrey Vetter (ORNL), Invited Talk
    Wednesday, Nov. 17, 11:00-11:30am
  - Professor Jack Dongarra (Univ. of Tennessee), Invited Talk
    Thursday, Nov. 18, 10:00-10:30am
  - Professor Takayuki Aoki (Tokyo Tech)
    Tuesday, Nov. 16, 11:00-11:30am
  - Professor Satoshi Matsuoka (Tokyo Tech)
    Wednesday, Nov. 17, 10:30-11:00am
  - All speakers at Tokyo Tech Booth are listed below.
- TSUBAME2.0's Node Chassis and Compute Node.
- Tokyo Tech's exploration of GPUs to accelerate science and engineering applications, leading to greater productivity.

Visit booth 1127 to find out!

We're looking forward to meeting you!

Tuesday, Nov. 16

11:00-11:30 "2.4 PFlops TSUBAME 2.0 and GPU Applications"

Takayuki Aoki (Tokyo Tech)

11:30-12:00 "A Sequential Programming Framework for Large-Scale GPU-Accelerated Structured Grids"

Naoya Maruyama (Tokyo Tech)

13:30-14:00 "MEGADOCK: ultra fast structure based protein-protein interaction prediction system"

Takashi Ishida (Tokyo Tech)

14:30-15:00 "GSIC efforts to enable e-Science with TSUBAME2.0"

Shinichiro Takizawa (Tokyo Tech)

16:30-17:00 "TSUBAME2.0 Storage Architecture Overview"

Hitoshi Sato (Tokyo Tech)

Wednesday, Nov. 17

10:30-11:00 "Tsubame2.0: The Greenest Supercomputer"

Satoshi Matsuoka (Tokyo Tech)

11:00-11:30 "Keeneland - a NSF heterogeneous computing resource for open computational science"

Jeffrey Vetter (ORNL)

12:00-12:30 "Hard Days of HPCC Benchmark on TSUBAME 2.0"

Akira Nukada (Tokyo Tech)

13:30-14:00 "Linpack Evaluation on Petascale Heterogeneous TSUBAME 2.0 Supercomputer"

Toshio Endo (Tokyo Tech)

14:00-14:30 "Energy and Performance Tuning Framework for GPU Accelerator Environment"

Shoichi Hirasawa (Univ. of Electro-Comm)

14:30-15:00 "145 TFlops Performance on 3990 GPUs of TSUBAME 2.0 for an Operational Weather Prediction Code"

Takashi Shimokawabe (SC10 Best Student Paper finalist/ Tokyo Tech)

Thursday, Nov. 18

10:00-10:30 "Architecture-aware Algorithms and Software for Scalable Performance"

Jack Dongarra (Univ. of Tennessee)