

## 9<sup>th</sup> INTERNATIONAL SUPERCOMPUTING CAMP 2018 08<sup>th</sup> -15<sup>th</sup> July 2018



### SC-CAMP

- SC-Camp is a summer school and non-profit event about Super Computing and Distributed Systems.
- It proposes a series of courses around the thematic of High Performance Computing with an important focus on practical sessions (more than half of the time) taught in English by international experts.
- Students are able to practice on modern super computing systems, located at Europe, South America and Vietnam.
- 1<sup>st</sup> held in Asia (the last 8 previous camps took place in Europe and South America).
- SC-Camp 2018 is co-organized by Danang International Institute of Technology DNIIT – The University of Danang, Korea – Vietnam Friendship IT College, and University of Nice Sophia Antipolis, France.

### TOPICS

- ✚ Distributed Systems:  
Grid/Cluster/Cloud/Volunteer Computing
- ✚ Distributed parallel programming with MPI
- ✚ Shared Memory parallel programming with OpenMP
- ✚ Accelerators: GPUs with CUDA, XeonPhi
- ✚ Debugging, Profiling and Performance Optimization
- ✚ Data Analysis with R
- ✚ Resource/Job Management & Scheduling
- ✚ Big Data
- ✚ Reproducible Research

Program details:  
<http://www.sc-camp.org/2018/program.html>

### PARTICIPANTS

- Undergraduate, Master and PhD students in the field of Computer Science, or any other domain working with HPC (Physics, Material Science, Biology/Bioinformatics, Finance, etc.), who are already familiar with programming.

### LOCATION & EXTRA-CURRICULAR ACTIVITIES

- The SC-Camp 2018 will take place at the **Korea-Vietnam Friendship Information Technology College**.
- All activities and courses takes place within the campus
- Cultural exchange between students; visits in famous places in Danang

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## WHY TO JOIN SC-CAMP 2018?

- ✚ Distributed programming on multi-processor HPC (High Performance Computing) has been developed from 60s but limited due to the cost and technology, so HPC has been only used in the national or international applications which related to high computing, such as scientific calculating, atomic bomb modeling, gene mapping analysis, alien searching, etc.
- ✚ Recently, in parallel with the development of computer technology with high performance processors and lower cost, Cloud services, Machine Learning, Big Data and IoT applications, the use of HPC systems becomes more popular. However, to use these systems, ones need to have basic knowledge of principles and methods of parallel or distributed programming.
- ✚ The 9<sup>th</sup> International SuperComputing Camp 2018 aims to disseminate parallel and distributed programming principles, models and methods, and to introduce new applications that use the HPC system.

## FEES

- ✚ Including school and subsistence fees during the week of study and the Gala dinner.
  - Lecturers, researchers, PhD and Master students: **\$100 USD**
  - Other participants: **\$130 USD** if registering before 10/06/2018, **\$150 USD** if registering after 10/06/2018
  - Travel fee (optional): \$25 USD
- ✚ All fees should be paid before 02/07/2018.
- ✚ Please click the link <http://goo.gl/6eNpos> or call us for Bank account information.

## CONTACT AND REGISTRATION

Online registration link: <http://goo.gl/qppgMW> Or Phone : (+84) 236.3891517 (Ms. Oanh)

Email: [contact@dniit.udn.vn](mailto:contact@dniit.udn.vn); Web: <http://www.sc-camp.org/2018>; or mailing to: Ms. Le Thi Hong Oanh, DNIIT Institute, 41 Le Duan St, Danang, Vietnam



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## SPONSORSHIP

All companies and organizations interested in any of the listed topics that want to actively participate in SC-Camp, either sharing their experiences or the challenges they are facing, are very welcome.

Sponsorship Collaboration in SC-Camp is intended for all those organizations that would like to boost their innovation, training and visibility:

- ✚ High level international training for their employees
- ✚ Visibility and recognition of the organization
- ✚ Get involved in the training of the best students in the topic

Please contact us if you wish to get involved in the organization of SC-Camp 2018.

## SPONSORSHIP PACKAGES

OPTIONS	SILVER	GOLD	PLATINUM
Company logo in SC-Camp website	X	X	X
Description of the company in SC-Camp website	X	X	X
Company logo included in SC-Camp poster	X	X	X
Acknowledgement during the inauguration ceremony	X	X	X
Company brochure to all participants in the welcome kit	–	X	X
Company logo in SC-Camp material	–	X	X
Best student award sponsorship	–	–	X
Dedicated poster of the company in the classroom	–	–	X
Possibility to give s speech, lecture or workshop	–	–	X
Taxes not included	\$500	\$1000	\$2000