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HPC-AI Advisory Council Announces the Winners of the 4th APAC HPC-AI Competition

36 Student Teams from Around the Asia Pacific (APAC) Region Participated in the Six-Month Long Competition which included Training and Hands-on Challenges

Singapore/ Sunnyvale, CA –November 18, 2021 – The HPC-AI Advisory Council (HPCAIAC) and National Supercomputing Centre (NSCC) Singapore today announced the university team winners of its annual HPC-AI challenge, the 4th APAC HPC-AI Competition. The annual APAC HPC-AI competition’s mission is to bridge the gap between high-performance computing (HPC) and AI use, and its application potential as part of talent development for participants from universities and research centers. This year’s competition consisted of 36 teams from 13 countries and regions in APAC.

The winners of the competition were:

- 1st Place and Overall Champion - Southern University of Science and Technology
- 2nd Place - National Tsing Hua University-KW, National Cheng Kung University - DAGG
- 3rd Place - National Tsing Hua University- EM, Thammasat University Team (Lampang), Nanyang Technological University
- Merit Place - Thammasat University CSTU-Rangsit, National Cheng Kung University - APEX, Universiti Putra Malaysia
- HPC Special Prize - National Tsing Hua University-KW
- AI Special Prize - Southern University of Science and Technology

With the continued support of NSCC Singapore, student competitors were provided with hands-on access to the Singapore-based advanced supercomputing resources. Teams were challenged with mastering one HPC task (GROMACS) and one AI task (DLRM), the same complex HPC and AI workloads that are integral to today's major applications.

“This year's annual APAC HPC-AI competition has demonstrated the growth and development of the student teams from the region and how far they have come since the competition began four years ago,” said Associate Professor Tan Tin Wee, Chief Executive at NSCC Singapore. “The overall technical prowess of the teams has matured significantly, with better and more creative solutions to the challenges posed. This augurs well for the future of the HPC and AI talent pool in one of the world's fastest growing economic regions. We congratulate this year's winners and all the 2021 student competitors for going above and beyond to deliver truly inspiring work and solutions.”

“I would like to congratulate all the participants for their contribution to the HPC and AI communities; you should all be proud of your results, performance and particularly your accomplishment,” said Gilad Shainer, HPC-AI Advisory Council chairman. “The competition not only instills a friendly competitive spirit, it also provides students with an opportunity to establish professional relationships early on, including lifelong camaraderie amongst competing cohorts and future colleagues.”

The 4th APAC HPC-AI Competition Award Ceremony will be held at the SupercomputingAsia 2022 (SCA22) hybrid conference in Singapore on 2 March, 2022.

For more information on the APAC HPC-AI Competition please visit hpcadvisorycouncil.com.

About HPC-AI Advisory Council

Founded in 2008, the HPC-AI Advisory Council (HPCAIAC) is a for community benefit organization with over 400 members committed to promoting HPC and AI through education and outreach. Find out more, become a member @ hpcadvisorycouncil.com

About National Supercomputing Centre Singapore

Established in 2015, the National Supercomputing Centre (NSCC) Singapore manages Singapore's first national Petascale facility providing high performance computing (HPC) resources. As a National Research Infrastructure, NSCC supports private and public sector research including commercial companies, government agencies as well as higher education and research institutes. Through the support of its stakeholders including the Agency for Science Technology and Research (A*STAR); Nanyang Technological University (NTU); National University of Singapore (NUS); Singapore University of Technology and Design (SUTD); the National Environment Agency (NEA) and Technology Centre for Offshore and Marine, Singapore (TCOMS); and funded by the National Research Foundation (NRF), NSCC catalyses national research and development initiatives, attracts industrial research collaborations and enhances Singapore's research capabilities. For more information, please visit www.nscg.sg