北京大学前沿计算研究中心
Center on Frontiers of Computing Studies, Peking University

# NEWSLETTER 2019 ISSUE 4

## ANNOUNCEMENT – CFCS YOUTH FORUM

The 5th Youth Forum on Frontiers of Computing will take place between April 3rd – 4th, 2020! This forum invites young scholars and rising stars in all computer science fields to gather at Peking University to exchange scientific discoveries and new technologies, to learn about the center and academic career at PKU, and to interact with the PKU Turing Class students. Speaker application opens until February 28th, 2020. We especially encourage potential faculty candidates to apply. We appreciate that you help spread this message among both your colleagues and your current and past PhD students, or whoever you see appropriate. For more information, please visit:
https://cfcs.pku.edu.cn/announcement/important_notice/236529.htm

## FEATURED NEWS

### Cornell University President Meets with PKU Turing Class Students

November 19th, 2019, PKU CFCS

CFCS faculty and Turing Class students welcomed Professor Martha E. Pollack, the President of Cornell University and the delegation to Jingyuan Garden at PKU. They had pleasant discussion on various interesting topics such as “how to do research”, “what is the future of AI”, etc.
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### The 4th Youth Forum on Frontiers of Computing

October 23rd, 2019, PKU CFCS

The center hosts the CFCS Youth Forum on Frontiers of Computing twice a year, which has become a platform for attracting talented young computer scientists from around the world. We invite candidates to give talks to introduce their research during the forum, and take the opportunity to introduce the center to them. With an ever increasing dynamic in the Chinese IT industry and partnership with universities, we also invite industry leaders to explore collaboration opportunities.


The 4th Youth Forum was successfully held in autumn with 7 young speakers. Around 80 faculty and students from universities and research institutes and researchers from IT industry attended the event. Professor John Hopcroft, the director of CFCS welcomed everyone during the opening session and sincerely hoped that young scholars with excellent teaching ability and scientific research potential will join CFCS for the contribution to China’s education and research.
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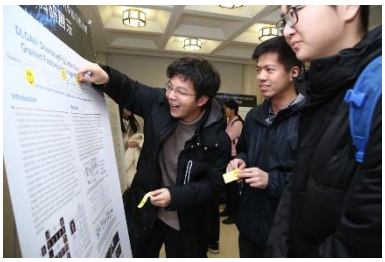
## The 2nd Research Forum of CFCS and Turing Class

November 23rd, 2019, PKU CFCS



The Research Forum of CFCS and Turing Class is a featured student academic activity organized by CFCS, PKU twice a year. Simulating an international conference, the forum serves as a "training ground" for the students and provides them an opportunity to present their works, promote their ideas, and engage in interactive communications, so as to prepare them for the future much bigger international stage.

Altogether 24 group of students participated in the 2nd forum and presented their recent works, especially some exciting results after summer internship. The topics covered theoretical computer science, computational economics, natural language processing, machine learning, computer graphics and other fields. Around 50 faculty and students attended the poster session and were amazed by the outstanding performance of the youth.

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## Research on VR Serving Winter Olympics

December 23rd, 2019, PKU CFCS

Professor Baoquan Chen leads a team of multi- academic institutions and industrial partners to develop an immersive and interactive sports game broadcasting system based on several state-of-the-art technologies, including 6DOF VR, AVS2 video encoding/decoding standards, and 5G communication networks.

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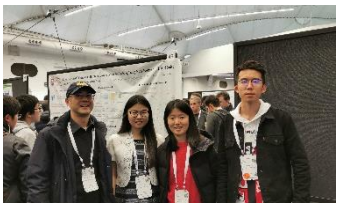
# Faculty News at a Glance

October – December, 2019

TensorLayer

Reinforcement Learning Algorithms Zoo is released by Hao Dong's TensorLayer team.



Y. Xu*, P. Cao*, Y. Kong, Y. Wang, "L_DMI: A Novel Information-theoretic Loss Function for Training Deep Nets Robust to Label Noise," in NeurIPS 2019.


Baoquan Chen is Elected as IEEE Fellow (Class of 2020)

siam 2020 ACM-SIAM Symposium on Discrete Algorithms

Yuqing Kong, "Dominantly Truthful Multi-task Peer Prediction with a Constant Number of Tasks" in SODA 2020.