

1. Dr. Hung H. Bui – Director of VinAI Research



Talk Title: Introduction to VinAI Research

Bio:

Dr. Hung H. Bui is the Director of VinAI Research Lab, VinGroup, Vietnam. His technical expertise and interests include probabilistic graphical models, deep generative models, Bayesian inference and machine learning, especially models for sequential and relational data with applications in human activity/intent recognition, video understanding and natural language processing. These interests center around the challenging problem of how to make the machine better understand the humans - a problem that plays a central part in intelligent assistive technologies, personal assistance and dialogue management. Before joining VinAI, he was at Google DeepMind, Adobe Research and Nuance Natural Language Understanding Lab, and also spent almost 10 years at the AI Center, SRI International (formerly Stanford Research Institute) where he led the multi-institution research team in developing probabilistic inference technologies for understanding the user activities during the CALO project (at the time, the largest AI project in history, also known as the project that spun off Siri). Going further back in time, he was an assistant professor at Curtin University, Australia (2000 - 2003), Ph.D. graduate in computer science (Curtin, 1998).

2. Huy Q. Nguyen – CEO of Vingroup Advanced Analytics



*Talk Title:
Engineering for AI Applications and Services*

Bio:

Huy is currently running Vingroup Advanced Analytics team. Vingroup is the Vietnam largest private enterprise, a conglomerate focusing on services, manufacturing and technology.

Huy has more than 20 years IT industry experience working for the world largest software services company Microsoft. He has made significant contribution in transforming Office from boxed software to Software As A Service. Prior to joining Vingroup, Huy was Engineering Manager for Microsoft Workplace Analytics team, Architect for Microsoft 365 Foundation, Architect and Engineering Lead for Office AI Platform where he lead the engineering efforts for Office AI Personalization Platform. Huy co-invented 4 issued and 1 pending US patents.

3. Hoang Trinh – Ebay Data Science Technical Leader

Bio:



*Talk Title:
Applications of AI and ML in online marketplace
platforms*

Hoang is a data science technical leader at eBay, spearheading AI, machine learning and data science efforts across eBay Trust and Shipping domains. He co-invented 7 issued and 2 pending US patents, and co-authored multiple cited technical papers in top conferences the field of machine learning, data mining and computer vision. In 2018, Hoang led a Hackathon team to win the top prize of eBay Global Expo.

Before eBay, he got hands-on work experience in both startup and large corporate environments. At IBM Research T. J. Watson, he led the R&D of a smart video surveillance system, installed and used in 2 giant retail stores in the US and UK. At Misfit, a wearable startup (acquired by Fossil for \$260M), he led the data science team developing a wide range of smart algorithms for wearable devices, monitoring and analyzing daily physical activities of millions of users.

4. Prof. Hoai Nguyen – Principal Research Scientist VinAI Research



*Talk Title:
Toward understanding and predicting human
behavior in video*

Bio:
Nguyen Minh Hoai is a Principal Research Scientist at VinAI and an Assistant Professor of Computer Science at Stony Brook University. Prior to VinAI and Stony Brook University, he was a junior research fellow at Oxford University, working with Professor Andrew Zisserman. He received a Bachelor of Software Engineering from the University of New South Wales in 2006 and a Ph.D. in Robotics from Carnegie Mellon University in 2012. His research interests are in computer vision and machine learning. He has received several honors including Best Student Paper Award at the 25th IEEE Conference on Computer Vision and Pattern Recognition (CVPR) and Gold Medal at the 41st International Mathematical Olympiad.

5. Prof. Khoa Luu – Senior Research Scientist VinAI Research

Bio:



Talk Title:
Precognition: Seeing through the Future

Dr. Khoa Luu is an Assistant Professor and the Director of Computer Vision and Image Understanding (CVIU, <https://cviu.uark.edu>) Lab of Computer Science and Computer Engineering Department, University of Arkansas. He was the Research Project Director in Cylab Biometrics Center at Carnegie Mellon University (CMU). He received his Ph.D degree in Computer Science at Concordia University, Montreal City, Canada. He was also student for another Ph.D degree in Electrical and Computer Engineering (ECE) Department at CMU in order to strengthen his knowledge in signal processing. He has published 70+ papers, some are in top-tier conferences, e.g. CVPR, ICCV, and journals, e.g. IJCV, TPAMI, TIP, JPR, etc. Many of these papers are about biometrics, face recognition and detection, predicting future faces, temporal deep learning modeling, low-power deep learning and reinforcement learning. He has registered 5 patents and inventions and received 10+ awards and scholarships. He received two best paper awards in IEEE Intl. Conf. on Biometrics: Theory, Applications and Systems in 2011 and 2012. He was a vice chair of Montreal Chapter IEEE SMCS in Canada from September 2009 to March 2011. Dr. Luu has strong professional experience in both research and real-world deployed projects in million-scale biometrics, long-range face recognition, real-time face modeling, video understanding, and low-power deep learning technologies.

6. Dr. Yasin Abbasi-Yadkori – Senior Research Scientist VinAI Research,



Talk Title:
Efficient data collection and sequential decision making

Bio:
Yasin Abbasi-Yadkori received his Ph.D. in Computing Sciences from University of Alberta in 2012 under the supervision of Csaba Szepesvari. He was a postdoctoral researcher in Queensland University of Technology with Peter Bartlett, and he was a researcher in Adobe San Jose from 2016 until 2019. He is broadly interested in developing autonomous and adaptive agents that perform well in challenging environments.

7. Liem Vo - Plume.com, Palo Alto, Silicon Valley

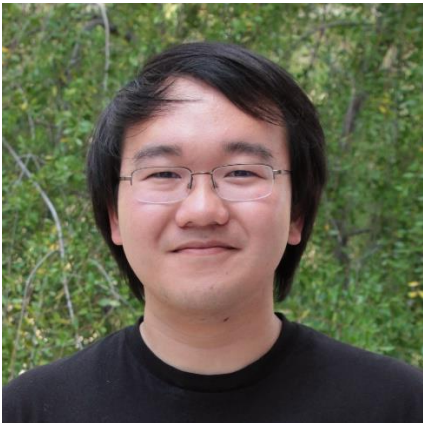


*Talk Title:
AI in IOT Landscape*

Bio:

Liem H.D. Vo, VP of HW Engineering at Plume (www.plume.com), a Silicon Valley veteran, has involved in several iconic consumer electronic devices such Amazon's Kindle, Echo(Alexa), Google Nest Thermostats and Plume's WiFi Pod. He is currently leading the R&D for Plume's HW product's - Pod, PowerPod and SuperPod that are successfully deployed world-wide and among major ISPs such Comcast(US) Bell(Canada), LibertyGlobal(EU), Jcom(Japan) and others. He has put the groundwork for "Nest Secure" wireless backend infrastructure, and has involved in the development of Nest's Thermostats and Camera. Before joining Google Nest, he has spent most of his time at Amazon (Lab126) working on the Wireless designs and infrastructure for Kindle WiFi/3G, FireTable LTE, FirePhone, Echo(Alexa) and FireTV. He holds a Master of Science in Wireless Communications from University of Duisburg-Essen, Germany.

8. Rui Shu – Research Scientist VinAI Research



*Talk Title:
Deep Probabilistic Graphical Models*

Bio:

Rui Shu is a second year PhD student at Stanford University. His research is on building machine learning frameworks that incorporate unlabeled data---a theme central to the fields of generative modeling, domain adaptation, semi-supervised learning, and representation learning.

9. Prof. Truyen Tran, Deakin University, Australia



Bio:

Truyen Tran is Associate Professor at Deakin University where he leads a research team on deep learning and its applications to computer vision, computational science, biomedicine and software analytics. He publishes regularly at top AI/ML/KDD venues such as NeurIPS, ICML, ICLR, CVPR, UAI, AAI and KDD. Tran has received multiple recognitions, awards and prizes including Best Paper Runner Up at UAI (2009), Geelong Tech Award (2013), CRESP Best Paper of the Year (2014), Third Prize on Kaggle Galaxy-Zoo Challenge (2014), Title of Kaggle Master (2014), Best Student Papers Runner Up at PAKDD (2015) and ADMA (2016), and Distinguished Paper at ACM SIGSOFT (2015). He obtained a Bachelor of Science from University of Melbourne and a PhD in Computer Science from Curtin University in 2001 and 2008, respectively.

Talk Title:

Memory Advances in Neural Turing Machines

10. Prof. Tran Minh Triet, Vice Rector, University of Science, VNUHCM



Bio:

Minh-Triet Tran obtained his B.Sc., M.Sc., and Ph.D. degrees in computer science from University of Science, VNU-HCM, in 2001, 2005, and 2009. He joined the University of Science, VNU-HCM, in 2001. His research interests include cryptography and security, computer vision and human-computer interaction, and software engineering. He was a visiting scholar at National Institutes of Informatics (NII, Japan) in 2008, 2009, and 2010, and at University of Illinois at Urbana-Champaign (UIUC) in 2015-2016. He is currently the Vice Rector of University of Science, VNU-HCM. He is also the Head of Software Engineering Laboratory and Deputy Head of Artificial Intelligence Laboratory, University of Science, VNU-HCM. He was a member of the Executive Committee of the Information Security Program of Ho Chi Minh city. He is a member of the Management Board of Vietnam Information Security Association (South Branch) and also a member of the Executive Committee of ICT Program for Smart Cities (2018-2020) of Ho Chi Minh city.

Talk Title:

Vision-based technologies for Human-centered AI applications

11. Prof. Dr. Quan H. Vu, Vice President, Vietnam National University – HoChiMinh city, Director, the Artificial Intelligence Laboratory



Talk Title:
20 Years of Vietnamese spoken language processing: Research and Achievements

Bio

- 2001-2004: Ph.D in Information and Telecommunications, University of Trento, Italy
- 2005-2006 Postdoc, University of Leuven, Belgium
- 2007 – Director, International Training & Education Center (ITEC), University of Science, VNUHCM; 2007 – Director, Artificial Intelligence Laboratory (AILab), <http://www.ailab.hcmus.edu.vn/>
- 2012-2017, Vice Rector, University of Science, VNUHCM; In charge of International Relations
- 2017- Vice President, Vietnam National University – HoChiMinh city

His research interest is about AI, particularly including:

Acoustic Modeling, Language Modeling for LVCSR
Corpus Developments (audio & text)
Audio, Music Retrieval
Speech Translation

He has published various articles on international journals and participated in many academic research projects. He won two-time Vietnamese Talent Awards for the TTS and the Automatic Speech Recognition systems.

12. Nam Nguyen – Direct of Camera Research Institute of VinGroup.



Talk Title: A case of commercializing computer vision products for traffic management in Vietnam

Bio:

Nguyen Dinh Nam is an engineer and businessman in information and telecommunication technology industry. Nam has many patents successfully commercialized through strategic partnership with some largest enterprises in Vietnam. Nam had many national technology awards and prizes. After selling the startup company VP9 to VinGroup in 2019, Nam works as chief of Camera Research Institute of VinGroup.