

Research Fellows (post-doc) Openings

Security and Privacy Research Lab, College of Computing and Data Science at Nanyang Technological University, Singapore is recruiting four research fellows (post-doc) in the areas: image authentication, watermarking, video processing and biometrics.

Nanyang Technological University is ranked among global top 30 universities.

<https://www.ntu.edu.sg/about-us/facts-figures/university-rankings>.

The research project is leaded by Adams Wai-Kin Kong

(<https://personal.ntu.edu.sg/AdamsKong/>), whose term consistently publishes in top AI conferences. He is also a co-investigator of Digital Trust Centre Singapore (<https://www.ntu.edu.sg/dtc>).

Job Responsibilities:

- Literature review of existing methods and models
- Identify the weaknesses of existing models
- Propose and develop state-of-the-art methods to overcome existing problems.
- Train and evaluate the models and systemically compare them with recent models.
- Prepare papers and reports.
- Develop systems based on the developed models for agencies/commercial partners
- Supervise junior researchers and master students

Job Requirements:

- Preferably PhD in Computer Engineering, Computer Science, Electronics Engineering or equivalent.
- Independent, highly analytical, proactive and a team player
- Excellent teamwork and verbal, written communication skills
- In-depth knowledge of deep learning, specifically, foundation models, diffusion models is a must.

- 1) For image authentication : In depth knowledge of AI editing methods, deepfake classification methods, property of generative models.
- 2) For watermarking position: In depth knowledge of watermarking and fingerprinting and other media authentication techniques.
- 3) For biometric positions: In depth knowledge of face recognition, soft biometrics, extraction biometric information in videos.
- Demonstrated capability to conduct innovative research.
- The ability and willingness to adapt and incorporate novel ideas and approaches in scientific industry.
- Demonstrated ability to formulate hypothesis and design effective experimental plans.
- Ability to design and implement new experimental methods.
- Oversee and report project progress.
- Ability and willingness to work some flexible hours.
- A strong publication record at top AI conferences or Journals, such as CVPR, ICCV, ECCV, NeurIPS, ICML, ICLR, TPAMI, TIP, TIFS, TMM and TBio
- Preferably publications related real/AI generated image classification, Watermarking, Biometrics or Video Processing
- Strong software implementation skills.
- Preferably 5 years+ research experience, including PhD study.

Job starting date: 1 March

Project Duration: 2 years

Salary: Depending on the experience and publication track records

Applications: Please email your CV and selected publications to adamskong@ieee.org AND xiaobao.guo@ntu.edu.sg with email title "Application for Research Fellow, 2026". Selected applicants will be interviewed in Dec-Feb.

Research Associate Openings

Security and Privacy Research Lab, College of Computing and Data Science at Nanyang Technological University, Singapore is recruiting two research associates (master degree holder) in the areas: image authentication, watermarking, video processing and biometrics.

Nanyang Technological University is ranked among global top 30 universities.

<https://www.ntu.edu.sg/about-us/facts-figures/university-rankings>.

The research project is leaded by Adams Wai-Kin Kong

(<https://personal.ntu.edu.sg/AdamsKong/>), whose term consistently publishes in top AI conferences. He is also a co-investigator of Digital Trust Centre Singapore (<https://www.ntu.edu.sg/dtc>).

Job Responsibilities:

- Literature review of existing methods and models
- Identify the weaknesses of existing models
- Propose and develop state-of-the-art methods to overcome existing problems.
- Train and evaluate the models and systemically compare them with recent models.
- Prepare papers and reports.
- Develop systems based on the developed models for agencies/commercial partners

Job Requirements:

- Preferably Master in Computer Engineering, Computer Science, Electronics Engineering or equivalent.
- Independent, highly analytical, proactive and a team player
- Excellent teamwork and verbal, written communication skills
- In-depth knowledge of deep learning, specifically, foundation models, diffusion models is a must.
- Knowledge of the list topics is a plus:

- 1) For image authorisation: In depth knowledge of AI editing methods, deepfake classification methods, property of generative models.
- 2) For watermarking position: In depth knowledge of watermarking, AI editing methods, and fingerprinting and other media authentication techniques.
- 3) For video processing/biometric positions: In depth knowledge of face recognition, soft biometrics, extraction biometric information in videos, object detection and key frame extraction
- Demonstrated capability to conduct innovative research.
- The ability and willingness to adapt and incorporate novel ideas and approaches in scientific industry.
- Demonstrated ability to formulate hypothesis and design effective experimental plans.
- Ability to design and implement new experimental methods.
- Oversee and report project progress.
- Ability and willingness to work some flexible hours.
- A strong publication record at top AI conferences or Journals, such as CVPR, ICCV, ECCV, NeurIPS, ICML, ICLR, TPAMI, TIP, TIFS, TMM and TBio is a plus.
- Preferably publications related real/AI generated image classification, Watermarking, Biometrics or Video Processing
- Strong software implementation skills.
- Preferably 1 years research experience, including master study.

Job starting date: 1 March

Project Duration: 2 years

Salary: Depending on the experience and publication track records

Applications: Please email your CV and selected publications to adamskong@ieee.org AND mingzhi.lyu@ntu.edu.sg with email title "Application for Research Associate, 2026". Selected applicants will be interviewed in Dec-Feb