

# The 5<sup>th</sup> Asian Conference on Pattern Recognition

26-29 November 2019, Auckland, New Zealand

**Website:** <https://www.acpr2019.org>

**Contact:** [acpr2019@aut.ac.nz](mailto:acpr2019@aut.ac.nz)

## Steering Committee

Seong-Whan Lee (Korea University, Korea)  
Cheng-Lin Liu (Chinese Academy of Sciences, China)  
Sankar K. Pal (Indian Statistical Institute, India)  
Tieniu Tan (Chinese Academy of Sciences, China)  
Yasushi Yagi (Osaka University, Japan)

## General Chairs

Reinhard Klette (Auckland University of Technology)  
Brendan McCane (University of Otago)  
Umapada Pal (Indian Statistical Institute)

## Program Chairs

Gabriella Sanniti di Baja (Institute of High Performance Computing and Networking)  
Palainhnokote Shivkumar (University of Malaya)  
Lian Wang (National Laboratory of Pattern Recognition)

## Publication Chair

Weiqi Yan (Auckland University of Technology)

## International Liaison Chair

Chokri Ben Amar (University of Sfax)  
Wang Han (Nanyang Technological University)  
Edwin Hancock (University of York)  
Anil K. Jain (University of Michigan)  
Domingo Mery (Pontificia Universidad Catolica)

## Workshop Chairs

Michael Cree (University of Waikato)  
Fay Huang (National Ilan University)  
Junsong Yuan (Nanyang Technological University)

## Tutorial Chairs

Michael Blumenstein (University of Technology Sydney)  
Yukiko Kenmochi (French National Centre for Scientific Research)  
Ujjwal Maulik (Jadavpur University)

## Sponsorship Chair

Koichi Kise (Osaka University)

## Exhibition/Demo Chairs

Patrice Delmas (University of Auckland)  
Yue Lu (East China Normal University)  
Partha Pratim Roy (IIT Rookey)

## Local Organising Chair

Martin Stommel (Auckland University of Technology)

## Organising Committee

Tapabrata Chakraborty (University of Otago)  
Gisela Klette (Auckland, New Zealand)  
Minh Nguyen (Auckland University of Technology)

ACPR 2019 solicits high-quality original research for publication in its main conference and co-located workshops. All accepted papers will be published in Springer's Lecture Notes in Computer Science (LNCS) and indexed by ISI, Scopus, EI, Google Scholar, and DBLP. Topics of interest include all aspects of pattern recognition:

### Track 1: Computer Vision and Robot Vision

- Biologically motivated vision
- Physics-based vision
- Perceptual organisation
- Computational photography
- Motion analysis and tracking
- Object detection / recognition
- Scene understanding
- Cognitive and embodied vision

### Track 3: Signal Processing

- Signal and image processing
- Audio and acoustic processing and analysis
- Spoken language processing
- Texture and colour analysis
- Segmentation and descriptors
- Enhancement and restoration
- Coding, compression, and super-resolution
- Automatic speech and speaker recognition

### Track 2: Pattern Recognition and Machine Learning

- Artificial neural networks
- Dimensionality reduction and manifold learning
- Classification and clustering
- Support vector machines and kernel methods
- Deep learning, Reinforcement Learning, Transfer Learning

### Track 4: Media Processing and Interaction

- Bioinformatics, Surveillance and Security
- Industrial image analysis
- Mixed and augmented reality
- Human computer interaction
- Document understanding
- Medical image and signal analysis
- Affective computing
- Biometric systems

Full papers must be accompanied by an abstract summarising the contribution the paper makes to the field. Full papers are limited to 14 pages in LNCS format. All papers will be peer reviewed single-blind.

## IMPORTANT DATES

Paper Submission Deadline: 1 August 2019 (no extensions)

Notification to Authors: 1 September 2019

Camera Ready Papers Due: 1 October 2019

Conference Dates: 26-29 November 2019