

# CURRICULUM VITAE: TAT-JUN CHIN

## Personal details

Place of birth Penang, Malaysia.

## Education

2007 Ph.D. Monash University.  
2003 B.Eng. (Hons) Universiti Teknologi Malaysia.

## Career

Since 2017 Associate Professor, School of Computer Science, The University of Adelaide.  
2014–2016 Senior Lecturer, School of Computer Science, The University of Adelaide.  
2010–2013 Lecturer, School of Computer Science, The University of Adelaide.  
2008–2010 Senior Research Associate, School of Computer Science, The University of Adelaide.  
2007–2008 Research Fellow, CVIU Department, Institute for Infocomm Research, Singapore.  
2003–2004 Test Development Engineer, Sensor Solutions Division, Agilent Technologies, Malaysia.

## Honours and awards

2018 Best Science Paper Award, BMVC 2018.  
2017 DSTG Award, DICTA 2017.  
2015 Best Paper (Honourable Mention), CVPR 2015.  
2015 DSTO Award for Fundamental Contribution to Image Processing, DICTA 2015.  
2004 Endeavour Australia-Asia Award, Commonwealth of Australia.  
2003 Vice Chancellor's Award, Universiti Teknologi Malaysia.  
2001 Agilent Technologies Undergraduate Scholarship, Agilent Technologies.

## Awards and accolades won by students

2016 Dean's Commendation for Doctoral Thesis Excellence (Álvaro Parra Bustos).  
2015 Google Award for Best Honours Thesis (Marcus Low)  
2014 Dean's Commendation for Doctoral Thesis Excellence (Guosheng Lin).  
2014 Google Ph.D. Fellowship (Guosheng Lin).  
2014 Dean's Commendation for Doctoral Thesis Excellence (Quoc Huy Tran).  
2014 Dean's Commendation for Doctoral Thesis Excellence (Trung Thanh Pham).  
2013 Invitation to Heidelberg Laureate Forum (Trung Thanh Pham).  
2013 Google Award for Best Honours Thesis (William X. Liu)  
2012 Google Ph.D. Fellowship (Trung T. Pham).

## Research funding

2018–2019	T.-J. Chin, J. Worrall, and K. Fukui, "Visual markers for UAV-based facade inspection", Mawson Lakes Fellowship Program.	AU\$20,000
2016–2018	T.-J. Chin, D. Suter, and M. Tetlow, "Space-based space surveillance with robust computer vision algorithms", ARC Linkage Project.	AU\$275,000
2016–2018	T.-J. Chin, and D. Suter, "Optimal robust fitting under the framework of LP-type methods", ARC Discovery Project.	AU\$268,000
2016	T.-J. Chin, "Quantifying performance of image processing for optical space situational awareness data", DSTG Research Agreement.	AU\$24,200
2016	T.-J. Chin, "Guaranteed outlier removal for point cloud registration", DSTG Research Agreement.	AU\$15,000
2014–2016	I. D. Reid, T.-J. Chin, and J. Howarth, "Visual sensing for localisation and mapping in mining", ARC Linkage Project.	AU\$220,000
2014–2020	Chief Investigator, "ARC Centre of Excellence for Robotic Vision".	AU\$25.6M
2013–2015	D. Suter, T.-J. Chin, A. Bab-Hadiashar, and P. Chen, "Improved image analysis: maximised statistical use of geometry/shape constraints", ARC Discovery Project.	AU\$330,000

2012–2013 G. Carneiro and T.-J. Chin, “Automated reasoning under uncertainty for visual object recognition and classification”, Regione Puglia - South Australia Awards for Research Collaboration. AU\$70,000

## Postdoctoral researcher supervision

Since 2017 Dr Huan N Do (PhD, Michigan State)  
Since 2016 Dr Álvaro Parra Bustos (PhD, Adelaide)  
Since 2016 Dr Alireza Khosravian (PhD, ANU)  
2014–2016 Dr Pulak Purkait (PhD, Indian Statistical Institute)  
2013–2015 Dr Thuraiappah Sathyan (PhD, McMaster)  
2012–2013 Dr Danilo Dell’Agnello (PhD, Bari)  
2010–2012 Dr Jin Yu (PhD, ANU)

## Research student supervision

- PhD  
Hoi Sim Wong (2010–2013), Trung Thanh Pham (2012–2014), Julio Zaragoza (2012–2014), Quoc Huy Tran (2012–2014), Guosheng Lin (2012–2014), Álvaro Parra Bustos (2013–2016), William X. Liu (2013–2017), Qianggong Zhang (since 2015), Huu Minh Le (since 2015), Zhipeng Cai (since 2016), Shin Fang Ch’ng (since 2017).
- MPhil/Master  
Ziliang Peng (2011), Adrian Chan (2014), Yang Heng Kee (2015).
- Honours William X. Liu (2012), Xuance Wang (2013), Thanh Tung Le (2014), Marcus Low (2015), Mai Khanh Le (2016), Ryan Marker (2016).

## Professional activities

2019 Area Chair, IEEE Winter Conf. on Applications of Computer Vision (WACV), 2019.  
2018 Tutorial Chair and Area Chair, Asian Conference on Computer Vision (ACCV), 2018.  
2018 Area Chair, IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2018.  
2017 Area Chair, International Conference on 3D Vision (3DV), 2017.  
2016 Area Chair, International Conference on 3D Vision (3DV), 2016.  
Since 2014 Associate Editor, IPSJ Transactions on Computer Vision and Applications (CVA).  
2014 Area Chair, Asian Conference on Computer Vision (ACCV), 2014.  
2013 Finance Chair, International Conference on Image Processing (ICIP), 2013.

ARC assessor, program committee member for major computer vision conferences (CVPR, ICCV, ECCV, ACCV), reviewer for top computer vision journals (TPAMI, IJCV, TIP, TMI, IVC).

## Teaching

- Advanced Algorithms (Year 4).
- Computer Vision (Year 4).
- Introduction to Geometric Algorithms (Year 4).
- Artificial Intelligence (Year 3).
- Systems Programming (Year 2).
- Algorithm Design and Data Structures (Year 2).
- Data Structures and Algorithms (Year 2).
- Scientific Computing (Year 1).
- Introduction to Software Engineering (Year 1).

## Administrative positions

Since 2010 School Assessment Officer  
2009–2010 School Web Manager  
2014 Course Advisor