



Joint PhD Program Description

The description for the Joint PhD program will be posted online as a sub-page to

[Joint/Dual PhD Programmes | Graduate College | NTU Singapore](#).

Name of Partner University	Technische Universität Graz
Country	Austria
Year of JPP Establishment	2011
Program	☒ Joint Degree ☐ Joint Supervision
Description of the Program (150-250 words)	
Disciplines	Computer science and engineering
PMC Names and Emails	NTU: • Prof Lin Weisi (wslin@ntu.edu.sg) • Prof Guan Cuntai (CTGuan@ntu.edu.sg) TU Graz: • Prof Dieter Fellner (dieter.fellner@igd.fraunhofer.de) • Prof Gernot Mueller-Putz (gernot-mueller@tugraz.at)



Joint Projects

Home University	Nanyang Technological University	
Supervisors	Home	Partner
Name	TAN Rui	Olga SAUKH
School	Computer Science and Engineering	Institute of Technical Informatics
Email	tanrui@ntu.edu.sg	saukh@tugraz.at
Website	https://personal.ntu.edu.sg/tanrui/	http://www.olgasaukh.com/
Project Title	Generative AI for Adaptive AIoT	
Project Description (200-300 words)	Generative artificial intelligence (AI) has attracted much attention and showed great potentials for applications involving human-perceptible multimedia data (e.g., text and images). Its adaptability to the prompts sheds new lights on addressing various adaptation problems faced by artificial intelligence of things (AIoT). For instance, the perception functions of AIoT should adapt to the context. This project will study building generative AI that produce AIoT perception functions based on the sensed meta information, in specific applications like acoustic localization, continuous human activity recognition, etc.	
Program/Center Website(s)	NA	
Additional Information (e.g., files with project details)	NA	



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Country	Austria
Year of JPP Establishment	2011
Program	☒ Joint Degree ☐ Joint Supervision
Description of the Program (150-250 words)	The joint PhD programme between Nanyang Technological University and Technische Universität Graz covers the following main areas of focus (not limited to): Human-Computer Interaction, Brain-Computer Interfaces, Computer Vision, Visual Analytics, Medical Computing, Artificial Intelligence, etc.
Disciplines	Computer science and engineering
PMC Names and Emails	NTU: • Prof Lin Weisi (wslin@ntu.edu.sg) • Prof Guan Cuntai (CTGuan@ntu.edu.sg) TU Graz: • Prof Dieter Fellner (dieter.fellner@igd.fraunhofer.de) • Prof Gernot Mueller-Putz (gernot-mueller@tugraz.at)



Joint Projects

Home University	Nanyang Technological University	
Supervisors	Home	Partner
Name	Guan Cuntai	Gernot Mueller-Putz
School	School of Computer Science and Engineering	Institute of Neural Engineering
Email	ctguan@ntu.edu.sg	gernot-mueller@tugraz.at
Website	https://personal.ntu.edu.sg/ctguan	https://www.tugraz.at/institute/ine/people/gernot-mueller-putz
Project Title	Brain-Computer Interface Algorithms and Applications	
Project Description (200-300 words)	The research topics will be centred around Brain-Computer Interfaces for clinical applications in either spinal cord injury or stroke. Following research topics are suggested (but not limited to): deep learning algorithms in BCI, transfer from healthy to patients, motor decoding, BCI systems for stroke/brain injury, etc.	
Program/Center Website(s)	NA	
Additional Information (e.g., files with project details)	NA	