

## 114年重要國際競賽清單

單位： 電機學院


說明：1. 競賽活動名稱每欄僅能以**一項競賽名稱**為限。**各項欄位皆須填寫。**

2. 國際競賽**不包含學術論文競賽。**

重要性排序	競賽活動名稱		競賽重要性說明 (例如：2025年為第__屆)
	中文全名	英文全名(縮寫)	
1	國際電機電子學會學生設計競賽	IEEE Antennas and Propagation Society (AP-S) Student Design Contest	14th IEEE Antennas and Propagation Society (AP-S) Student Design Contest. The top 6 teams will receive travel funds to attend the IEEE Antennas and Propagation Symposium in Denver, Colorado, USA, July 10–15, 2022 to demonstrate their working systems. 1st, 2nd, and 3rd place winners will be announced at the 2022 IEEE AP-S Awards Presentation at the conference and will receive cash awards of US \$1,500, \$750, and \$250, respectively.
2	國際電機電子學會車輛技術協會無人機網路競賽	IEEE VTS UAV to UAV Networking Competition	An Innovation Challenge in Small Unmanned Aircraft System Communications for Students: Guidelines: (1) Projects should demonstrate a collaborative task involving two UASs. (2) UAS-to-UAS communications, i.e., UAS-1 and UAS-2 sharing telemetry and/or application-specific information between them and with the GCS, as an integral component of the project. (3) Projects must be simple enough to be demonstrated, but, useful enough to be part of a real-world application with a broader impact. Why is IEEE VTS organizing this event? IEEE VTS established an ad hoc committee on drones to promote UAS research and education within the IEEE community. In addition, IEEE Communication Society and IEEE VTS are jointly sponsoring the development of UAS-to-UAS communication standards through IEEE P1920.2 Working Group. The innovation challenge is an event to promote UAS research among the students.
3	RoboX無人駕駛船競賽	Maritime RobotX Competition	RobotX Challenge從2012年由美國海軍研究辦公室(Office of Naval Research, ONR)發起，國際無人駕駛系統協會(RoboNation)主辦自動駕駛的水面、水下、無人機之無人載具競賽，培養學生對於海洋上的自動機器人系統的興趣，同時發展機器人在海洋探索、海岸線巡邏、海上緊急救難、海洋生態檢測與保護以及海軍國防科技等重要議題，曾於2014, 2016, 2018年於新加坡、夏威夷舉辦，2022年將於澳洲舉辦。 頂尖會議：否 具競爭性：是 需出國補助款：是
4	國際電機電子學會通訊協會學生競賽通訊技術改變世界	IEEE Comsoc Student Competition: Communications Technology Changing the World	First prize will be invited to receive the prize at IEEE GLOBECOM。First Prize: 2000 USD, Second Prize: 1000 USD. (starting from 2012)
5	美國國防部高級研究計畫局(DARPA) 機器人挑戰賽	DARPA Challenge	DARPA機器人競賽為全世界科技工程類競賽之最高殿堂，競賽為期3年，其中2004-2007年舉辦的DARPA Urban Challenge促進了現今自動駕駛技術，2010-2013為人形機器人，為福島核災後之救難機器人任務，2019-2021地下機器人挑戰賽(DARPA SubT Challenge)，與全球頂尖大學及研究機構較勁。 頂尖會議：否 具競爭性：是 需出國補助款：是

承辦人簽章(日期)：許如敏

院長簽章：王蒞君院長



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