## 2024 Net Zero Tech International Contest @Taiwan

## **International Contest-The Finalist**

## < Serial No. in order of application >

No.	Work Title	Position	Name	School	Department
	1 (MOF) Sponge Composite for Oil-Water	Advisor	林嘉和	National Taiwan Normal University Department of (Taiwan, R.O.C.)	Donartment of Chemistry
INTL 01		Student	陳佳樂		
INTLOT		Student	王昱順		Department of Onemistry
		Student	劉鴻恩	•/	<u> </u>
	Application of a Navy	Advisor	Liu Hwa-Dong	National Taiwan	Undergraduate Program of Vehicle and Energy Engineering / Department of Electrical Engineering
	Application of a New High-Gain Power Converter in Next- Generation Renewable Energy Systems	Advisor	Lin Chang-Hua	Normal University / National Taiwan University of Science and Technology (Taiwan, R.O.C.)	
INTLO2		Student	Ul Munieeb Mosaib		
IIVILOZ		Student	Sahito Ahmed Tauseeque		
		Student	Shih Jyun-Wei		
		Student	Chen Wei-Yu		
	Advanced Carbon	Advisor	Kang Dun Yen	National Taiwan University (Taiwan, R.O.C.)	
	Process Technology using Membrane Engineering (ACCEPT-	Student	Wu Po Chun		
INTL03		Student	Lee Sher Ling		·
47		Student	Yu Yuan Chen		
		Student	Chang Shou Feng		

No.	Work Title	Position	Name	School	Department
		Advisor	陳建彰	- >b	
		Advisor 陳奕君			
	Low-Cost Energy-	Advisor	王孟菊		
	Efficient Atmospheric-	Student	普智暉	National Taiwan	Institute of Applied Mechanics / Graduate
	Pressure Plasma Jet Processed NiCo-	Student	余碩恩	University /	Institute of Photonics and Optoelectronics /
INTLO	Metalorganic Framework	Student	闕振宸	National Taiwan University of	Department of Chemical Engineering / Graduate
	Electrocatalyst in Anion Exchange Membrane	Student	陳奇松	Technology (Taiwan, R.O.C.)	School of Advanced Technology, Program for
	Water Electrolysis	Student	洪柏彥		Nanoengineering and Nanoscience
	Module	Student	吳幸真		
		Student	謝尚霖		
	- 417	Student	董芮妤		
i	Integrating a novel	Advisor	Ou Ting-Chia	National Cheng Kung University	Program on Smart and
INTL05	Coastal Wave Energy  INTL05 Converter and Carbon  Negative Cement for Net	Student	Ju Zhi-Chin		Sustainable Manufacturing /
		Student	Chen Yu-Tung		Program / Bachelor of
Z		Student	Chen Shu-Er		
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No.	Work Title	Position	Name	School	Department
				Hua University (Taiwan, R.O.C.)	
		Advisor	<b>颜鴻威</b>	(Taiwaii, R.O.O.)	Department of Materials
		Advisor	謝宗霖		
6	Green and Advanced	Student	Lin Ting-Si	National Taiwan	Science and Engineering / Graduate School of
   INTL06	Magnesium-based	Student	Hung Hao-Chun	University	Advanced Technology,
1	Hydrogen Storage Alloy	Student	Chen Bo Xian	(Taiwan, R.O.C.)	Program for Semiconductor Devices, Materials, and Hetero-integration  School of Engineering and Technology / Department of Art, Design and Media, School of Arts
9		Student	Hou Yu Ching		
		Student	Wang Yu Hsiang		
	(022)	Advisor	Kok Sum Ng	University Technology / (Malaysia) Art, Design ar	
		Advisor	Angela Siew Hoong Lee		
		Advisor	Chew Xiang Fu		
	50	Advisor	Hock Kuen Foong		
INTLO	EcoSphere: A Model for Sustainable and Effective Learning Environment	Student	Jen Looi Tee		
		Student	Deaberniswarar Sharmaa		
		Student	May Mun Yi Yeap		
A		Student	Jonathan Jared Ignacio		
3/		Student	Chiao Pin Tan		
		Student	Willion Wei Yen Yap		

	No.	Work Title	Position	Name	School	Department
			Student	Jason Kow	10-	
		Novel process design Adviso	Advisor	吳 煒		
			Advisor	賴啟銘		
	INITI OO	and validation for decreasing CO2	Student	吳紀昀	National Cheng	Department of Chemical
	INTL08	emission from cement production	Student	張宸語	Kung University (Taiwan, R.O.C.)	Engineering / Department of Civil Engineering
		decarbonization	Student	Mazumdar Debayan		
l	<u>g</u>		Student	曾慶豪		
		Next-Generation Redox-Mediated Bipolar Membrane L09 Electrodialysis: Simultaneous Seawater Desalination and Carbon Capture	Advisor	侯嘉洪	-   Iniversity	Graduate Institute of
			Student	吳旻臻		
	INITI OO		Student	張睿耀		
l	IIN I LU9		Student	高毓蔧		Environmental Engineering
			Student	王柏硯		
			Student	陳怡瑋	1	
	1	A novel up-scaling process of a	Advisor	Irene Man Chi Lo	The Hong Kong University of Science and Technology (Hong Kong)	1
INTL1			Advisor	Zexiao Zheng		Department of Civil and
	INTL10			Taoran Dong		Environmental Engineering
		sewage treatment: taking pioneering steps towards	Student	Hoi Kit Justin Man		
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No.	Work Title	Position	Name	School	Department
NO.	net zero wastewater	OSITION	Name	3011001	Department
	treatment technology	Student	Cheuk Wai Lung		
1		Advisor	Wang Huai		
		Student	Wei Xing		
		Student	Zhang Yichi	Aalborg	A A L L E 12 - 12 - 12 - 12 - 12 - 12 - 12 - 12
INTL11	E-Sense Power	Student	Liu Yongjie	University (Denmark)	AAU Energy
1	为约	Student	Yao Bo		
		Student	Liu Jiahong		
	A rechargeable zinc-air battery enabled by a solid hydrogel electrolyte in both atmospheric and low-temperature conditions	Advisor	劉大中	National Yang Ming Chiao Tung University (Taiwan, R.O.C.)	
		Student	楊融昊		
   		Student	徐晨軒		Department of Biomedical
INTL12		Student	翁永承		
		Student	林泓証		
		Student	何紹圻		
	The Decarbonizer: A Comprehensive Solution for Waste Reduction and Hydrogen Production	Advisor	Wei Cheng Wang	Kung University / and Astronautics /	Department of Aeronautics
INTL13		Student	Rusdan Aditya Aji Nugroho		Mechanical and Electro-
7/-		Student	林明叡		

No.	Work Title	Position	Name	School	Department
		Student	Muhammad Azmi		Program on Energy Engineering
/		Student	鄭宇		
		Advisor	任昊佳		
1	2 4 %	Advisor	何東垣	National Taiwan	Department of Consciences
	Seaweed Afforestation:	Advisor	張睿昇	University /	Department of Geosciences / Research Center for Environmental Changes / Center of Excellence for the Oceans / Institute of Oceanography
INTL14	Unlocking the Ocean's Potential for Carbon Sequestration	Advisor	Stephens Brandon		
-		Student	Tan Carel	Ocean University C	
		Student	蔡李人誼		
		Student	嚴語晨		
	Illtrobiah Efficiency	Advisor	Jih-Sheng Lai	Virginia Polytechnic Institute and State University (US)	Electrical and Computer Engineering / Mechanical
	Ultrahigh Efficiency Bidirectional DC-DC Converter for Energy Storage and Super Charger Applications	Student	Bryan Gutierrez		
INTL18		Student	Hsin-Che Hsieh		
1		Student	Ching-Yao Liu		Engineering
		Student	Ganesh Rai		
4	EcoAlgae	Advisor	Tharushi Prabha Keerthisinghe	IIVIOratiiwa	
INTL16		Student	Isumi De Silva		Department of Chemical and Process Engineering
		Student	Januth Liyanage		
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	No.	Work Title	Position	Name	School	Department
			Student	Janitha Dissanayake		
	1		Student	Gavin Senaratne		
			Advisor	Ardiyansyah Yatim		
l	1		Advisor	Ova Candra Dewi		
l	, ,	Can Davila Nat Zara	Student	Leonardo Dillon	1	
1	1	Sao Paulo Net Zero  Design and Net Zero  Emission Sustainable  Public Library	Student	Alexander Ganesh Aji Dewanto	University of	Mechanical Engineering / Architecture
I	INTL17		Student	Heidy Sekardini	Indonesia (Indonesia)	
$\  \cdot \ $			Student	Amar Falah Riyanto		
II			Student	Farras Hafizh Al Farisi		
l			Student	Vynna Alviolina Indriyana		
li		Achieving Net Zero Operation in São Paulo through Energy-Efficient Studen	Advisor	Ardiansyah Yatim	University of Indonesia (Indonesia)	Mechanical Engineering / Architecture
l			Advisor	Mikhta Farid Alkadri		
INTL			Student	Bimantyo Ganggas Fadhil Ihsani		
	INTL18	Library with Clay	Student	Miguel Bintang Samuel		
		and Sustainable	Student	Alfian Febrianto		
			Student	Muflikh Kas Yudamaulana		
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No.	Work Title	Position	Name	School	Department
		Student	Alya Widha Aurellia	- >A	
1		Student	Risma Fitriyanti	N	
	A Solution for	Advisor	Chen Cheng-Liang		
•	Sustainable Future: Design and Feasibility Analysis of Chemicals- based International Renewable Energy	Student	Ong Chong Wei	National Taiwan	
INTL19		Student	Lien Sheng-Chi	University	Chemical Engineering
1		Student	Chang Hao-Chu	(Taiwan, R.O.C.)	
	Supply Chain	Student	Wang Wei-De		
	Non-motorial driven	Advisor	Sandip Kumar Saha		2
	for CO2-free space-	Advisor	Chandramouli Subramaniam	Indian Institute of Technology Bombay (India)  Mechanical Enginee Chemistry / Energy S and Engineering	Mechanical Engineering /
INTL20		Student	Anuj Bangad		Chemistry / Energy Science
		Student	Nikita Vasudev Chitre		and Engineering
	documenton	Student	Dipin Thacharakkal		1/4/





