## 2025 Net Zero Tech International Contest @Taiwan International Contest-The Finalist

No.	Work Title	Position	Name	Country Region	School	Department
	100	Œ	Yeau-Ren Jeng		~ ~	Biomedical Engineering
入人	Transforming Waste to	Advisor	Grace, I-Son Ng	- · · · ·		Chemical Engineering
INTL01	Worth: Carbon Capture		Chi-Hua Yu	Taiwan	National Cheng Kung	Engineering Science
INTLOT	and Utilization to produce Eco-friendly Bio-lubricant	Leader	Sai Bhavani Sravan Metla		University	Biomedical Engineering
	1000	Manahar	Priskila Adjani Diankristanti			Chemical Engineering
		Member	Muhammad Firman Friyadi			Engineering Science
	Hybrid pathways for next generation of sustainable aviation fuels in Taiwan		吳 煒	Taiwan	National Cheng Kung University	Department of Chemical Engineering
- 4		Advisor	王偉成			Department of Aeronautics and Astronautics
INTL02		Leader	Nugroho Rusdan Aditya Aji		National Sun Yat-sen University	Department of Mechanical and Electromechanical Engineering
	• 7 7		Mazumdar Debayan	1	National Cheng Kung University	
	1/1	Mombor	劉諒宇	4		Department of Chemical Engineering
	700	Member	林柏龍			211g111931111g
	1 64		黃俊揚			Department of

No.	Work Title	Position	Name	Country Region	School	Department
	25			1	<b>6</b> 1/2	Aeronautics and Astronautics
		ed-	Talitha Philofia Sopandi	2	W	International Degree Program on Energy Engineering
20	7 806	Advisor	AN LIANG	1. 18	2. T	
	Development of a smart	Leader	HUO XIAOYU		0	Department of
INTL03	mini-grid system for renewable energy storage		BAI YURAN	Hong Kong	The Hong Kong Polytechnic University	Mechanical
	and utilization	Member	FU ENKANG	rtong	1 oryteerine ornversity	Engineering
			LONG XIN			2 4
		Advisor	Han-Yi Chen	Taiwan	National Tsing Hua University	
		Leader	Hsin-Fang Chang			Department of Materials Science and
100	2		Yu-Ming Pan			Engineering
	LiMn a Colorful	13	Quang Luan Le			
INTL04	commuNity	Member	Min-Hua Chang			Interdisciplinary Program of Engineering
0	6		Jin-Luh Mou			International Intercollegiate Ph.D. Program
		n 2	Miktha Farid Alkadri	e) _	Universitas Indonesia	Architecture
INTL05	The Flux	Advisor	Ova Candra Dewi	Indonesia		Architecture
	VK 22		Ardiyansyah			Mechanical

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			Arnas Lubis		- 120	Engineering
		Leader	Vine Novia Pakpahan			1 1/2
	Z- 1	1	Syahlaisa Afra Amani		col.	Architecture
. 0	. (17)	CT	Luqman Kamaludin		70 m	
1X		Member	Tabita Essela Pebriana Simanjuntak		5	Metallurgical & Materials Engineering
	7 3 4 /		Juan Valensi Ridwan Ramadhan	4		Civil Engineering
100	Llaina Trong Notons	Advisor	陳翰儀	Taiwan	National Tsing Hua University	Department of Materials Science and
	Using Trapa Natans Husks, coffee-Waste and	Leader	蘇姮侒			
	bamboo chopsticks	g e	林軒岑			Engineering
INTL06	Derived Activated Carbon as Electrode Materials to	Electrode Materials to nance the Power Member put of Microbial and	胡琇婷			4/
ا برد	Enhance the Power Output of Microbial and Plant Microbial Fuel Cells		蔡佳霓			Interdisciplinary Program of Life Sciences and Medicine
INTL07	Toward Carbon Neutral Energy Storage: Green Modification of VRFB Electrodes via	Advisor	Yu-Lin Kuo	h	National Taiwan University of Science and Technology	Mechanical Engineering
			Ting-Yu Liu	Taiwan	Ming Chi University of Technology	Materials Engineering
	Atmospheric Pressure		Song-Yu Chen		Yuan Ze University	Mechanical Engineering

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	Plasma Jet Deposited Bimetallic Oxides		Chen-Hao Wang	+	National Taiwan University of Science and Technology	Materials Engineering
、 水		Leader	Ahmad Nur Riza		National Taiwan University of Science and Technology / Ming Chi University of Technology	Mechanical Engineering / Materials Engineering
	73 6	Member	Melky Natanael	4	National Taiwan University of Science and Technology	Mechanical Engineering
V			Ni Putu Devi Kristina		Ming Chi University of Technology	Materials Engineering
	N 0.47		Wen Tong Chong	4		7 7
	9	Advisor	Keen Kuan Kong			w/J
- 1	An omni-directional	1-2	Hanna Sofia SalehHudin	1 Jo	University of Malaya	Department of
INTL08	augmented cross-axis wind turbine	Leader	Christopher Clement Rusli	Malaysia		Mechanical Engineering
		Member	Flora Shuh Ching Ngu			1 Por 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
97	AN 12	wernber	Izdihar Zahirah Ibrahim	L		
INTL09	· Z 1	Advisor	Jun Liu	United	University of	Materials Science & Engineering
	Elementrailer	Leader	Hongjiang Lin	States	Washington	Foster School of
	1/ L	Member	Julisa Cruz	See to	6	Business

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	4		Lillian Mitchell	1	与秋	Environmental Science
			Bernardo Lin	2_		Electrical Engineering
	Lithium Frank Toron to	Advisor	Fu-Ming Wang		VY .	
2	Lithium, From Trash to Treasure: Integrated Flow	Leader	Michelle Elaine	40	2. 7	
INTL10	System for Scrap Battery		Cai-Fang Wu	Taiwan	National Taiwan University of Science	Graduate Institute of Applied Science and
	Upcycling and Carbon Dioxide to Lithium	Member	Jayaraman Divyavalli	raman	and Technology	Technology
V	Carbonate Conversion.		Ulya Qonita			生 1
	A 171	Advisor	陳賢燁			
		Leader	Ramli Theresia Cecylia	- 4		-/3
7	Multifunctional Porous	1-0	胡書嫚	1.3.	National Taiwan University	<b>7</b>
INTL11	Water Purification Device Based on Vapor	<u></u>	李沁芸	Taiwan		Chemical Engineering
2	Deposition Technology	Member	張育銘	25		
90		- 4	石瀅瑄			10 g
	0 6		陳眉妤	h		
	Smart Pressure Control	Advisor	Sean Wu-Yang		National Chung Hsing University	Bio-Industrial Mechatronics Engineering
INTL12	for Desalination: Adaptive	Leader	Mukhammad Jamaludin	Taiwan		
	Modeling and Wave	Member	Isnaeni Nurjanah			

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1	Energy Boost for Net-Zero Water Systems		Yulian Fatkur Rohman	A.	100	7 960
			Akhmad Azhar Firdaus			12
		at-	Muhammad Bilhaq Ashlah		VY .	
~ Q	405		Anisa Fitri Santosa	43	2. T	
10		Advisor	洪緯璿		0	Graduate Institute of
	Development of an	Leader	邱奕嘉		National Central University	Materials Science &
INITI 40	Integrated System for		黃柏叡	Tairran		Engineering
INTL13	Catalysts and Electrolysis	N 4	李昀霖	Taiwan Univ		Graduate College of Sustainability and Green Energy
	Equipment	Member	黃宇祐			
			陳佳謙			
	9	Advisor	黃朝偉		National Cheng Kung	Department of
1	Green Butadiene: A	Leader	林鐸軒	1 000		
INTL14	Breakthrough in	la	劉羿群	Taiwan	University	Engineering Science
INTL14	Bioethanol Conversion	Marahar	黃煒倫	Talwan	7	
7	Technology	Member	黃鈺庭	h	Feng Chia University	Department of Materials Science and Engineering
	7 Z		Andrei Holub		L/4	
INTL15	Backwind Rider	Advisor	Marat Dosaev	Russia	Lomonosov MSU	Institute of Mechanics
	122		Yuri Seliutskiy			P" / DAK

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	. P		Liubov Klimina	A.	- XX	9(4)
	0 6	Leader	Mikhail Harbuz	39		Mechanic and Mathematics Faculty
		d	Valerii Zudov		Vy '	Faculty of Space Research
20	4 405		Daniil Dosaev	1, 7/3	2.	Faculty of Factoria
1	C 7 1 5 -	National Control	Marta Kruchinkina		0	Faculty of Economic
	32	Member	Lina Seliutskaia	ر ا	> ./	MSU Faculty of Computational Mathematics and Cybernetics
~			Ivan Alpatov			Mechanic and Mathematics Faculty
	2 331	Advisor	Zong-Hong Lin	4		
	Self-Powered Peptide	Leader	Salini Ramesh	 _Taiwan	National Taiwan	w/J
INITI 16	Sensor for Ethinylestradiol (EE2) detection: A	14	Uday Singh			Department of Biomedical
INILIO	Sustainable Platform for	Member	Jaba Roy Chowdhury	Taiwaii	University	Engineering
2	Water Quality Monitoring	Member	Bishal Kumar Nahak	7		
			Abdullah Al-Kabbany	1	A	7/72
W.	Development and	Advisor	黃朝偉	h	National Cheng Kung University	
INTL17	Application of Inorganic	Leader	王鐸諭	Taiwan		Department of
INTET?	Aqueous Radiative	Member	陳明瑋	Talwall		Engineering Science
	Cooling Coatings:	Wichiber	范心瑀			

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	A Sustainable Strategy Toward Net-Zero Carbon Emissions		姚秀美	萝	National Ilan Univerty	Department of Chemical and Materials Engineering
	From Greenhouse Gases	Advisor	Moo Been Chang		V.Y	
INITI 40	to Green Fuels: Plasma- Catalytic DRM for Closed-	Leader	Machmud Amir	Taiwan	National Central	Graduate Institute of
INTL18	Carbon-Cycle Liquid	Member	Jo Chen Hsu	Talwall	University	Environmental Engineering
	Production	Member	Heng-Wei Huang	4		
V	Upcycling coal fly ash		Shiao Shing Chen		National Taipei University of Technology	Institute of Environmental Engineering and Management
		Advisor  Hong-Ming Ku  Nonsee Nimitsiriwat	Hong-Ming Ku		King Mongkut's University of Technology Thonburi (KMUTT)	Department of Chemical Engineering
7			Nonsee Nimitsiriwat			
- 4	waste into 3D-printed		Bhanupriya Das		National Taipei	Institute of
INTL19	ceramic membranes for wastewater treatment and	Leader	MITHILESH PASAWAN	Taiwan		Environmental Engineering and Management
10	power generation.		YA-TING CHAN	J	University of	<b>2</b> /2
111	4 4 6		Ya-Ling Chiang	3	Technology	Environmental Engineering & Management
		Member	Chanakan Sukmongkolwongs			
	XXQ		Chinatip Suwantri		King Mongkut's	Department of

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			Nittiya Ornwarn	J.	University of Technology Thonburi	Chemical Engineering
	0 6		Urasaya Sawatdiwong		Toolinology Thoriban	1 12
		ad-	Ekawang Arunvipada		VI 1	
22	Integration of Innovative Coastal Wave Energy and Carbon-Negative Cement Materials with a Supercapacitor Energy Storage System to Achieve Net-Zero Goals		歐庭嘉	15	Program on Smart and Sustainable Manufacturing	
		Leader	黃景政	4	National Cheng Kung	Department Electrical Engineering
INTL20			戴安荻	Taiwan	University	Environmental
· ·			劉迎逸			Engineering
		Member	蘇暐哲		~ YY	Department of Aeronautics and Astronautics





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