VNUHCM- University of Science

Faculty of Physics and Engineering

Physics

WEEKLY SEMINAR ON RESEARCH TOPICS

(updated: Nov20, 2022)

1. **Schedule:** Online (by meet.google.com/oxa-hcbq-mai) và Offline (E.303, 227 Nguyen Van Cu Str., Dist.5)
2. **Language:** English

No.	Schedule	Coordicator (điều khiển chương trình)	Speakers (báo cáo viên)	Research Topics (chủ đề)	Comments
	FEBUARY 2022 (ONLINE)				
1	Feb 27 11:00, Saturday	Assoc. Prof. Nguyen Van Hieu	Nguyen Hoang Quan, MSc	General Characteristics of Photodetectors	
	MARCH 2022 (ONLINE)				
2	March 5 11:00, Saturday	Dr. Nguyen Chi Nhan	Mr. Nguyen Phuoc Hoang Khang	Machine Learning application in PV module's simulation model	
3	March 12 11:00, Saturday	Dr. Ho Thanh Huy	Phan Thien Luan, MSc	Electroporation as a Solvent-free technique for Green-microalgea proteins extraction	
4	March 26 11:00, Saturday	Dr. Nguyen Duc Hoang Ha *(Faculty of Information Tecnology)*	Mr. Ha Minh Khue	MicroWave radar in automotive application	
	APRIL 2022 (ONLINE)				
5	April 2 11:00, Saturday	Assoc. Prof. Nguyen Van Hieu	Mr. Nguyen Hoang Long	Biochemical sensors based on the SERS effect to detect bacteria and pesticides in food	

6	April 9 11:00, Saturday	Dr. Nguyen Chi Nhan	Mr. Tran Hoang Nhut	The smart home for old persons	
7	April 16 11:00, Saturday	Assoc. Prof. Nguyen Van Hieu	Nguyen Hoang Quan, MSc	Introduction on the digital Microfluidics (DMF)	

8	April 23 11:00, Saturday	Assoc. Prof. Nguyen Van Hieu	Phan Thien Luan, MSc	Application of Electro Impedance Spectroscopy in biological imaging and assistive devices	
9	April 29 (19:00 Friday)	Nguyen Hoang Quan, MSc	Ms. Nguyen Ngoc Thao Nhi	Introduction of human pose estimation	
	MAY 2022 (OFFLINE and ONLINE)				
10	May 5 17:30-18:30, Thu E.303	none	Assoc. Prof. Nguyen Van Hieu	Research group in the research university	
	May 9 (Mon) 11:00-11:30, E.303	none	Assoc. Prof. Nguyen Van Hieu	The review of biosensors and their applications	
11	May 16 (Mon) 13:30-14:30, Linh Trung Campus (offline and online)	none	Dr. Ho Thanh Huy	Aquaponic farm and their technology transfer	
12	May 23 (Mon) 11:00-11:30, E.303	None	Dr. Nguyen Chi Nhan	The combination of AI with IoT	
13	May 30 (Mon) 11:00-11:30, E.303	Dr. Nguyen Chi Nhan	Mr. Ha Minh Khue	An introduction to Radar-Camera Fusion Technology	
JUNE 2022 (E.303, 227 Nguyen Van Cu Str., Dist 5)					
14	June 6 (Mon) 11:00-11:45, E.303	Assoc. Prof. Nguyen Van Hieu	Mr. Nguyen Hoang Long	SERS – microfluidic systems	

15	June 13 (Mon) 11:00-11:45, E.303	Dr. Nguyen Chi Nhan	Mr. Tran Hoang Nhut	5G Technology	
16	June 20 (Mon) 11:30, E.303	Dr. Ho Thanh Huy	Phan Thien Luan, MSc	A dynamic joint angle measurement device for an active hand rehabilitation system.	
17	June 27 (Mon) 11:00, E.303	Assoc. Prof. Nguyen Van Hieu	Dr. Le Duong Anh Duy (GES, SHTP)	2 proposal research topics on sensors:	
				-Green Synthesis of Reduced-Graphene Oxide Quantum Dotsand Application for Colorimetric Biosensor; - Simultaneous Measurement of Humidity and Temperature with Cytopreduced Graphene Oxide overlaid Two-mode Optical Fiber Sensor.	
JULY 2022 (E.303, 227 Nguyen Van Cu Str., Dist 5)					
18	July 11 (Mon) 11:00, E.303	Assoc. Prof. Nguyen Van Hieu	Ms. Nguyen Ngoc Thao Nhi	Feedback active noise cancellation	
19	July 18 (Mon) 11:00, E.303	Assoc. Prof. Nguyen Van Hieu	Dr. Vu The Dang	Introduction to superconducting neutron detector system	
	July 25	Holiday			
AUGUST, 2022					
21	Aug 1 (Mon) 11:00, E.303	Assoc. Prof. Nguyen Van Hieu	Assoc. Prof. Nguyen Van Hieu	Think about our DPEE's future	
	Aug 8&15 (Mon)	Holiday			
	Aug 22 (Mon) 11:00, E.303	Assoc. Prof. Nguyen Van Hieu	Ms. Nguyen Ngoc Thao Nhi	Current situation on Egg gender detection with Machine Learning	

22	Aug 29 (Mon) 11:00, E.303	Dr. Nguyen Chi Nhan	Mr. Nguyen Phuoc Hoang Khang	PV fault diagnosis using thermal image and Machine learning application	
SEPTEMBER, 2022					
23	Sep 5 (Mon) 10:00, E.303		Assoc. Prof. Nguyen Van Hieu	The digital microfluidics and their applications	
24	Sep 12 (Mon) 11:00, E.303	Assoc. Prof. Nguyen Van Hieu	Dr. Pham Thanh Trung (University of Namur, Belgium)	Lab ‘s project LPME_ University of Namur	
25	Sep 19 (Mon) 11:00, online/E.303	Dr. Ho Thanh Huy	Mr. Nguyen Hoang Long	Theory of Wetting	
26	Sep 26 (Mon) 11:00, E.303	Dr. Vu The Dang	Phan Thien Luan, MSc	Real-time, low-cost identification of microplastics using impedance-based interdigital array microelectrodes and KNN model	
OCTOBER, 2022					
27	Oct 3 (Mon) 11:00, E.303	Dr. Nguyen Duc Hoang Ha	Mr. Ha Minh Khue	An introduction to High-Speed Data Acquisition System	
28	Oct 10 (Mon) 11:00, E.303	Dr. Ho Thanh Huy	Ms. Nguyen Ngoc Thao Nhi	Current situation on Egg gender detection and machine vision	
29	Oct 17 (Mon) 11:00, E.303	Dr. Nguyen Chi Nhan	Mr. Nguyen Hoang Quan	A review about electrode shape optimization of DMF for seperating precide liquid droplets	
30	Oct 31 (Mon) 11:00, E.303	Dr. Vu The Dang	Dr. Le Duong Anh Duy	Optical/Optics in Semiconductor	

NOVEMBER, 2022					
31	Nov 7 (Mon) 11:00, E.303	Dr. Le Duong Anh Duy	Assoc. Prof. Nguyen Van Hieu	A simulator for digital microfluidic biochips	
32	Nov 14 (Mon) 11:00, E.303	Mr. Nguyen Phuoc Hoang Khang	Dr. Nguyen Chi Nhan	Applications of Artificial Intelligence in Agriculture	
33	Nov 21 (Mon) 11:00, E.303	Nguyen Hoang Quan, MSc	Dr. Ho Thanh Huy		
34	Nov 28 (Mon) 11:00, E.303	Mr. Nguyen Hoang Long	Nguyen Hoang Quan, MSc		
DECEMBER, 2022					
35	Nov 4 (Mon) 11:00, E.303	Assoc. Prof. Nguyen Van Hieu	Student: Bui The Anh		
36	Nov 11 (Mon)	Nguyen Hoang Quan, MSc	Student: Tran Anh Duc		

	11:00, E.303				
37	Nov 17 (Mon) 11:00, E.303	Dr. Nguyen Chi Nhan	Mr. Tran Hoang Nhut		
38	Nov 25 (Mon) 11:00, E.303	Dr. Ho Thanh Huy	Mr. Nguyen Hoang Long		
HAPPY NEW YEAR 2023					