

**NATIONAL ACADEMY OF SCIENCE AND TECHNOLOGY, PHILIPPINES**

**44<sup>th</sup> ANNUAL SCIENTIFIC MEETING**

Venue: Manila, Philippines and via Zoom and FB

Date: 13-14 July 2022

Theme: **PAGTANAW 2050: Agham Tungo sa Mabuting Kinabukasan**

**FORESIGHT 2050: Science for a Sustainable Future**

**PROGRAM**

<b>13 July 2022 (Wednesday)</b>		
8:00	REGISTRATION	
8:45	OPENING OF POSTER SESSION & EXHIBITS	
	Ribbon Cutting	<b>SECRETARY</b> _____ Department of Science and Technology  <b>ACADEMICIAN RHODORA V. AZANZA</b> President NAST PHL
<b>OPENING CEREMONIES</b>  <b>ACD. FABIAN M. DAYRIT</b> Vice President NAST PHL Moderator		
9:00	Entry of Colors	<b>UP RAYADILLO</b>
9:05	National Anthem Invocation	<b>MAPUA CARDINAL SINGERS</b>
9:10	Welcome Remarks	<b>ACD. RHODORA V. AZANZA</b> President NAST PHL
9:30	Opening Remarks	_____ Secretary Department of Science and Technology
9:50	Introduction to the Keynote Speaker	<b>ACD. RHODORA V. AZANZA</b> President NAST PHL
9:55	Keynote Address on Systems Thinking	<b>DR. JOHN L. ANDERSON</b> President US National Academy of Engineering
10:25	Intermission Number	<b>MAPUA CARDINAL SINGERS</b>
10:35	Address on Climate Change	<b>DR. JOY JACQUELINE PEREIRA</b> Vice Chair, Working Group II on Impacts, Adaptation, and Vulnerability Intergovernmental Panel on Climate Change (IPCC)
11:05	Address on Coastal and Ocean Sustainability	<b>DR. RENIEL B. CABRAL</b> Senior Lecturer, Marine Biology and Aquaculture, College of Science and Engineering James Cook University Townsville, Australia
11:35	Introduction to the 44 <sup>th</sup> ASM	<b>ACD. FABIAN M. DAYRIT</b> Vice President

	Brief Statement of the Objectives and Introduction on the theme	NAST PHL
	Rapporteur:	<b>DR. TONETTE P. LAUDE</b> Outstanding Young Scientist 2016 Associate Professor, Institute of Crop Science University of the Philippines Los Baños
12:00	Lunch Break	
	LUNCH MEETINGS: a) Best Scientific Poster Board of Judges b) Resolutions Committee	<b>VENUE:</b> _____ _____
	<b>RECOGNITION OF SUPPORT FROM SPONSORS AND DONORS</b>	
<b>PM Session</b>		
1:00 pm	<b>PLENARY SESSION 1 THE FLAVOR AND LANDSCAPE OF FUTURES AND FORESIGHT NETWORKS IN THE ASIA PACIFIC AND THE WORLD</b>	
(30 mins)	Speaker :	<b>PROF. SHERMON O. CRUZ</b> Chief Futurist and Executive Director Center for Engaged Foresight
(30 mins)	Open Forum	
	Moderator :	<b>ACD. MARIBEL G. NONATO</b> Member, Mathematical and Physical Sciences Division NAST Philippines
	Rapporteur :	<b>DR. ERIKA FILLE T. LEGARA</b> Outstanding Young Scientist 2020 Associate Professor Aboitiz Chair in Data Science Asian Institute of Management
2:00	<b>PLENARY SESSION 2 STI AND THE SOCIAL SCIENCES</b>	
(30 mins)	Speaker :	<b>DR. EMMA E. PORIO</b> Professor Department of Sociology and Anthropology Ateneo De Manila University
(30 mins)	Open Forum	
	Moderator :	<b>ACD. ARNEL A. SALVADOR</b> Member, Mathematical and Physical Sciences Division NAST PHL
	Rapporteur :	<b>DR. JASON VINCENT A. CABAÑES</b> Outstanding Young Scientist 2020 Professor of Communications De La Salle University
3:00	<b>PLENARY SESSION 3 OUTPUTS OF RSMs REGIONAL STRATEGIC PLANS OF REGIONAL CLUSTERS</b>	
(30 mins)	Speaker :	<b>ACD. WILLIAM G. PADOLINA</b> Member, Mathematical and Physical Sciences Division Chair, STI Foresight Steering Committee NAST PHL

		<b>ACD. RHODORA V. AZANZA</b> NAST Focal Person on STI Foresight President, NAST PHL
(30 mins)	Open Forum	
	Moderator :	<b>ACD. JOSE MARIA P. BALMACEDA</b> Member, Mathematical and Physical Sciences Division NAST PHL
	Rapporteur :	<b>DR. RICO C. ANCOG</b> Outstanding Young Scientist 2019 Dean, School of Environmental Science and Management University of the Philippines Los Baños
4:00	<b>Close of Day 1</b>	

**14 July 2022 (Thursday)**

8:00	Registration	
<b>PRESENTATION OF RESEARCH RESULTS</b>		
9:00	Introduction of the Speakers	<b>ACD. AURA C. MATIAS</b> Member, Engineering Sciences and Technology Division NAST PHL
9:10	<b>CAPTURE FISHES OF THE PHILIPPINES: STATUS, ISSUES AND RECOMMENDATIONS</b>	<b>ACD. RAFAEL D. GUERRERO III</b> Member, Agricultural Sciences Division NAST PHL
10:20	<b>DECIPHERING THE FUNCTIONAL ROLE OF CYTOCHROME B561 (CYB561) IN NEUROENDOCRINE PROSTATE CANCER DEVELOPMENT</b>	<b>DR. PIA D. BAGAMASBAD</b> Outstanding Young Scientist 2019 Associate Professor 1 National Institute of Molecular Biology and Biotechnology University of the Philippines Diliman
10:30	<b>MARSHALLING S&amp;T TALENT FOR NATIONAL DEVELOPMENT</b>	<b>ACD. REYNALDO B. VEA</b> Chair, Engineering Sciences and Technology Division NAST PHL
10:40	<b>WORKPLACE WELLNESS ACROSS THE LIFESPAN: PROMOTING THE HEALTH AND BIRTH OUTCOMES OF YOUNG WORKERS IN THE PHILIPPINES UTILIZING EDUCATIONAL WELLNESS PROGRAMS FOCUSING ON LINC</b>	<b>ACD. CARMENCITA D. PADILLA</b> Member, Health Sciences Division NAST PHL
10:50	<b>OVERVIEW ON PLASTIC POLLUTION FROM THE PHILIPPINE PERSPECTIVE</b>	<b>ACD. FABIAN M. DAYRIT</b> Chair, Mathematical and Physical Sciences Division NAST PHL
11:00	<b>THE PHILIPPINE PISA 2018 DATA: INSIGHTS FROM MACHINE LEARNING</b>	<b>ACD. ALLAN BENEDICT I. BERNARDO</b> Member, Social Sciences Division NAST PHL
11:10	Open Forum	
11:50	Synthesis of the Discussion	<b>DR. AIMEE LYNN BARRION-DUPO</b> Outstanding Young Scientist 2015 Associate Professor, Institute of Biological Sciences College of Arts and Sciences University of the Philippines Los Baños

12:00 nn	Lunch Break	
	MEETINGS: a) Best Scientific Poster Board of Judges b) Resolutions Committee	VENUE: _____ _____
<b>CLOSING PROGRAM</b>		
1:00	Report on Past Resolutions	<b>MS. LUNINGNING E. SAMARITA-DOMINGO</b> Director IV NAST PHL
1:20	Presentation of the NAST 44th ASM Resolutions	<b>ACD. WILLIAM G. PADOLINA</b> Chair, Resolutions Committee 44th Annual Scientific Meeting
1:40	Response from NEDA	_____ Director General National Economic and Development Authority
1:50	Response from DOST	_____ Secretary Department of Science and Technology
2:00	Intermission Number	<b>MAPUA CARDINAL SINGERS</b>
2:20	<b>PRESENTATION OF NAST AWARDS</b>	
	● <b>BEST SCIENTIFIC POSTER</b>	<b>ACD. JOSE MARIA P. BALMACEDA</b> Chair, Scientific Poster Board of Judges, 44th ASM Member, Mathematical and Physical Sciences Division, NAST PHL
	● <b>OUTSTANDING SCIENTIFIC PAPER</b>	<b>NS DOLORES A. RAMIREZ</b> Member, Agricultural Sciences Division NAST PHL
	● <b>OUTSTANDING BOOK / MONOGRAPH AWARD</b>	<b>NS DOLORES A. RAMIREZ</b> Member, Agricultural Sciences Division NAST PHL
	● <b>NAST TALENT SEARCH FOR YOUNG SCIENTISTS</b>	<b>NS RAUL V. FABELLA</b> Chair, Social Sciences Division NAST PHL
	● <b>NAST ENVIRONMENTAL SCIENCE AWARD</b>	<b>ACD. GUILLERMO Q. TABIOS III</b> Member, Engineering Sciences and Technology Division Member, Board of Judges, NESAs NAST PHL
	● <b>OUTSTANDING YOUNG SCIENTIST AWARD</b>	<b>ACD. EDWARD H.M. WANG</b> Member, Health Sciences Division NAST PHL
3:45	Closing Remarks	<b>ACD. FABIAN M. DAYRIT</b> Vice President NAST PHL
4:00	Exit of Colors	<b>UP RAYADILLO</b>
<b>ACD. JAIME C. MONTOYA</b> Secretary, NAST PHL Chair, Health Sciences Division <b>MASTER OF CEREMONY</b>		

