TENTATIVE AGENDA OF ICB-REV 2021

Sessions	Time	(Day-1) Tuesday, June 22nd		Time	(Day-2) Wednesday, June 23rd			Time	(Day-3) Thursday, June 24th	
Morning Session (GMT+7)	08.00-08.10	Opening by Master of Ceremony		08.20-08.30	Opening by Master of Ceremony			08.20-08.30	Opening by Master of Ceremony	
	08.10-08.20	Prof. Dr. rer. nat. Evvy Kartini (*Founder of NBRI and President of MRS-INA*)		08.30-09.10	Prof. Jun Liu (*Director of the Innovation centre for Battery 500 Consortium*)			08.30-09.10	Prof. Dr. rer. nat. Evvy Kartini (*Founder of National Battery Research Institute and President of MRS-INA*)	
	08.20-08.30	Prof. B.V.R. Chowdari (*Director of Regional IUMRS*)		09.10-09.50	Ir. Agus Tjahajana (*President Commissioner of IBC*)			09.10-10.00	Yi Ke, Ph.D. (*Energy Storage Program Manager – New Energy Nexus Global*)	
	08.30-09.10	Dr. Laksana Tri Handoko (*Chairman of National Research and Innovation Agency, Republic of Indonesia*)		09.50-10.30	Prof. Dr. Ir. Anhar Riza Antariksawan (*Head of BATAN, Indonesia*)*			10.00-10.45	Prof. Ying Shirley Meng (*Research Award of International Battery Material Association 2019*)	
	09.10-09.50	Prof. Tim White (*President of MRS-Singapore*)		10.30-10.35	Room Transition			10.45-10.50	Room Transition	
	09.50-10.00	Prof. John B. Goodenough (*Nobel Prize Winner in Chemistry 2019*)		10.35-11.05	Parallel Session			10.50-11.20	Parallel Sessions	
	10.00-10.05	Room Transition								
	10.05-10.35	Parallel Sessions			**Battery** Prof. Stefan Adams (*NUS, Singapore*)	**Renewable Energy** Diyanto Imam (*Program Director of New Energy Nexus, ID*)			**Battery** Dr. Alexey Glushenkov (*ANU, Australia*)	**Renewable Energy** M. Firmansyah, S.E. (*CEO at INFIEN ENERGI*)
		Battery Prof. Takashi Kamiyama (*Spallation Neutron Source, China*)	**Renewable Energy** Prof. Dr. M. Zaki Mubarok (*ITB*)							
	10.35-12.00	Oral Session		11.05-12.00	Oral Session			11.20-12.00	Oral Session	
	12.00-13.00	Break Session								
Afternoon Session (GMT+7)	13.00-13.15	Prof. Colin Gareth Bailey (*President and Principal of QMUL*)		13.00-13.40	Prof. Rodrigo Martins (*President of IUMRS and European Academy of Science (EurASc)*)			13.00-14.00	Prof. Laurence Hardwick (*Director of the Stephenson Institute for Renewable Energy, University of Liverpool*)	
	13.15-14.00	Prof. Alan J Drew (*Co-founder of NBRI*)								
	14.00-15.00	Prof.Dr.Eng. Eniya Listiani Dewi, M.Eng (*Deputy for Information, Energy, and Materials Technology of BPPT*)		13.40-14.20	Ir. Budi Susanto, ST, MT (*Metal Director of ILMATE The Ministry of Industry, Indonesia*)			14.00-14.50	Dr. Ana Jorge Sobrido, Ph.D. (*UKRI Future Leaders Fellow, QMUL*)	
	15.00-15.05	Room Transition		14.20-14.25	Room Transition			14.50-14.55	Room Transition	
	15.05-15.35	Parallel Sessions		14.25-14.55	Parallel Sessions			14.55-15.25	Parallel Sessions	
		Battery Prof. Dr. Vanessa Peterson (*ANSTO, Australia*)	**Electric Vehicles** I Made Dana Tangkas (*CEO and Founder IBIMA*)		**Battery (1)**	**Battery (2)**	**Electric Vehicles** Prof. M. Nizam (*Coordinator of National Research Priority on Energy Storage*)		**Battery**	**Electric Vehicles** Dr. M. Mustafa Sarinanto (*BPPT, Indonesia*)
	15.35-16.30	Oral Session		14.55-16.30	Oral Session			15.25-16.30	Oral Session	
								16.30-17.00	**Closing Remarks**	

Day-1 (Tuesday, June 22nd 2021)

Session	Time	Code	Estimation	Speaker	Topic	Affiliation
Morning Session (GMT+7)	08.00-08.10	Opening by Master of Ceremony				
	08.10-08.20	OP	10’	Prof. Dr. rer. nat. Evvy Kartini		Founder of NBRI and President of MRS-INA
	08.20-08.30	OP	10’	Prof. B.V.R. Chowdari		Director of Regional IUMRS
	08.30-09.10	PL	40’	Dr. Laksana Tri Handoko		Chairman of National Research and Innovation Agency, Republic of Indonesia
	09.10-09.50	PL	40’	Prof. Tim White	Battery Research at NTU for a Sustainable Future	President of MRS-Singapore
	09.50-10.00	PL	10”	Prof. John B. Goodenough	The Role of Lithium Battery Technology	Nobel Prize Winner in Chemistry 2019
	10.00-10.05	Room Transition				
	10.05-12.00	Battery				
		KN	30’	Prof. Takashi Kamiyama		Spallation Neutron Source, China
		INV	25’	Lukman Noerochim, Alvalo Toto Wibowo, Widyastuti Widyastuti and Achmad Subhan	Direct Double Coating of Carbon and Nitrogen on Fluorine-Doped Li4Ti5O12 as An Anode for Lithium-Ion Battery	ITS, ITS, ITS, LIPI
		INV	25’	Sudaryanto, Evvy Kartini, Muhammad Fakhrudin, Moch Setyadji, and Kurnia Trinopiawan	Utilization of Rare-Earth Elements for Performance Improvement of Lithium Battery Materials	BATAN
		OR	15’	Asih Kurniasari, Ariono Verdianto, Iyan Subiyanto and Chairul Hudaya	The Effects of Nitrogen Gas Flow Rate on Physical Characteristic of Corncob Activated Carbon as Active Electrode Material of Lithium-Ion Capacitors	B2TKE BPPT, KIST School-Korea University of Science and Technology, Korea Institute of Energy Research, Universitas Indonesia-Universitas Teknologi Sumbawa
		OR	15’	Rizka Ayu Puspita, Evvy Kartini, Muhammad Fakhrudin, Widi Astuti and Slamet Sumardi	The Study of (Ni, Mn, Co)SO4 as Raw Materials for NMC Precursor by X-Ray Fluorescence (XRF)	NBRI, BATAN-NBRI, BATAN, LIPI, LIPI
		Renewable Energy				
		KN	30’	Prof. Dr. M. Zaki Mubarok	Separation of Nickel and Cobalt by Selective Oxidative Precipitation Using Ozone Gas for Preparation of Cathode Materials Used in NMC Lithium Ion Battery	Institute of Technology Bandung
		INV	25’	Zainal Arifin and Linda Fitri	Implementation of Battery Energy Storage System at Cirata PV Solar Floating for Reducing the Electricity Cost Production on JAMALI Grid	PT PLN (Persero), Insitut Teknologi PLN
		OR	15’	Cipta Panghegar Supriadi, Adit Triwiguno, Muhammad Firmansyah and Evvy Kartini	Techno Economic Analysis of Public Solar Street Light with Integrated Monitoring System For Parking Area	INFINITI ENERGI INDONESIA, INFINITI ENERGI INDONESIA, INFINITI ENERGI INDONESIA
		OR	15’	Ganesh Eega, Sai Ram Pavuluri, Eswar Sai Kiran Reddy Gangireddy, Pavan Kumar R and Mohit Kumar Goel	Automatic solar tracking for Energy Management	Lovely Professional University, India
	12.00-13.00	Break Session				

Afternoon Session (GMT+7)	13.00-13.15	OP	15’	Prof. Colin Gareth Bailey		President and Principal of QMUL
	13.15-14.00	PL	50’	Prof. Alan J Drew		Co-founder of NBRI
	14.00-15.00	PL	60’	Prof.Dr.Eng. Eniya Listiani Dewi, M.Eng		Deputy of BPPT
	15.00-15.05	**Room Transition**				
	15.05-16.30	**Battery**				
		KN	30’	Prof. Dr. Vanessa Peterson	Advanced Neutron Characterization of Rechargebale Battery Systems	Australian Nuclear Science and Technology Organisation (ANSTO), Australia
		INV	25’	Teguh Yulius Surya Panca Putra, Takashi Saito, Yustinus Purwamargapratala, Sudaryanto Sudaryanto, Evvy Kartini, Bambang Sugeng, Rina Kamila, Muhammad Fakhrudin, Nur Ika Puji Ayu, Masato Hagihala and Takashi Kamiyama	Synthesis and Structural Study of Li4Ti5O12/SnO2 Composite as Anode Materials for Lithium Ion Batteries	BATAN, KEK, BATAN, BATAN, BATAN, BATAN, BATAN, BATAN, KEK, KEK, KEK
		OR	15’	Muhammad Nizam Fanani, Evvy Kartini, Muhammad Fakhrudin, Rizka Ayu Puspita, Agus Sudjatno	The Effect of Stirring Time on Synthesis of NMC-622 Cathode Active Material with Oxalate Coprecipitation	STTN-BATAN, BATAN-NBRI, BATAN, NBRI, BATAN
		OR	15’	Fajrul Mawaddah, Evvy Kartini, Rizka Ayu Puspita, M Fakhrudin and Agus Sudjatno	The Effect of Milling Time and Rotation Speed on Li-NMC Cathode Performance	STTN-BATAN, BATAN-NBRI, NBRI, BATAN, BATAN
		Electric Vehicles				
		KN	30’	Ir. I Made Dana Tangkas		CEO and Founder IBIMA
		INV	25’	Susanto Sigit Rahardi and Evvy Kartini	Battery Swap Indonesia National Standard Concept	B4T, NBRI
		OR	15’	Muhammad Alfawza Biljannah and Evvy Kartini	Design of Battery Pack for Electric Bike	Diponegoro University, NBRI-BATAN
		OR	15’	Abi Nur Hakim, Ubaidillah and Muhammad Nizam	Multipe Coil Design on Eddy Current Brake Type Half Circle Slotted	UNS
		OR	15’	Shinta Widyaningrum, Evvy Kartini and Martin Taylor	Reducing Carbon Monoxide (CO) Air Pollution with Electric Vehicles to Overcome Climate Change	NBRI, NBRI, Swinburne University of Technology

OP= Opening Remarks
PL= Plenary Session
KN= Keynote Session
INV= Invited Speaker
OR= Oral Contributor

Day-2 (Wednesday, June 23rd 2021)

Session	Time	Code	Estimation	Speaker	Topic	Affiliation
Morning Session (GMT+7)	08.20-08.30	**Opening by Master of Ceremony**				
	08.30-09.10	PL	40’	Prof. Jun Liu	Future Energy Systems and Energy Storage	Director of the Innovation centre for Battery 500 Consortium
	09.10-09.50	PL	40’	Ir. Agus Tjahajana		President Commissioner of MIND ID
	09.50-10.30	PL	40’	Prof. Dr. Ir. Anhar Riza Antariksawan*		Head of BATAN, Indonesia
	10.30-10.35	**Room Transition**				
	10.35-12.00	**Battery**				
		KN	30’	Prof. Stefan Adams	Opportunities and Challenges in All-Solid-State Lithium Batteries	NUS, Singapore
		INV	25’	Evvy Kartini, Agus Sudjatno, Muhammad Fakhrudin, Mohammad Zaki Mubarok, Rizka Ayu Puspita	The Study of Mixed Hydroxide Precipitate (MHP) from Local Mineral Resources in Indonesia	BATAN-NBRI, BATAN, BATAN, ITB, NBRI
		OR	15’	Sutarsis	Effect of the Oxygen Functional Group on the High-Voltage Performance and Self-Discharge of Carbon Supercapacitors Electrodes	ITS
		OR	15’	Rialdy Fahmi and Evvy Kartini	Synthesis and Characterization of NMC111 Cathode by Co-precipitation Method	Padjajaran University, National Battery Research Institute
		OR	15’	Brillian Aqif Naufal, U Ubaidillah, Aditya Prabowo and Muhammad Nizam	Mechanical Load Test Battery Developed By Universitas Sebelas Maret (UNS) with Experimental Approaches	UNS
		Renewable Energy				
		KN	30’	Diyanto Imam	The Prospect of Renewable Energy Start-up to become Game Changer for Sustainable Clean Energy	Program Director of New Energy Nexus, ID
		INV	25’	Sri Sarjana and Efendhi Prih Raharjo	Renewable Power Plant Development Model	Poliktenik Transportasi Darat Indonesia-STTD
		OR	15’	Mochamad Subhan Alkyana and Evvy Kartini	Strengthening Energy Diplomacy to achieve “Affordable, Reliable, Sustainable, and Modern Energy for all” (SDGs 7) by 2030	NBRI
		OR	15’	Aris Budi Sulistyo and I Gusti Bagus Wijaya Kusuma	Increasing performance of solar cell by using red wavelength	Poliktenik Transportasi Darat Bali and University of Udayana
	12.00-13.00	**Break Session**				
Afternoon Session (GMT+7)	13.00-13.40	PL	40’	Prof. Rodrigo Martins	Functional Materials for a Better Prosperity for All	President of IUMRS and European Academy of Science (EurASc)
	13.40-14.20	PL	40’	Ir. Budi Susanto, ST, MT		Metal Director of ILMATE The Ministry of Industry, Indonesia
	14.20-14.25	**Room Transition**				
		Battery (1)				
		INV	25’	Muhammad Fakhrudin, Evvy Kartini and Heri Jodi	CeO2-Coated NMC 811 as the Cathode Material for Li-Ion Batteries	BATAN

	14.25-16.30	INV	25’	Sih Wuri Andayani, Alfiz Muhamad Qizwini, Muhammad Aryansyah, Jesslyn, Najmuddin Yahya	Cathode Active Material of Lithium Battery from Nickel Matte: Indonesian Case Study	Centre for Material and Technical Product, Centre for Material and Technical Product, Centre for Material and Technical Product, Chemistry Department ITB, Centre for Material and Technical Product
		OR	15’	Yustinus Purwamargapratala, Evvy Kartini, Agus Sujatno, Teguh Yulius Surya Panca Putra and Heri Jodi	Activated Carbon from Rice Husk With Various Activators For Lithium Ion Battery Cathode Material Additive	BATAN, NBRI, BATAN, BATAN, BATAN
		OR	15’	Moh. Wahyu Syafi'ul Mubarok, Muhammad Fakhrudin and Evvy Kartini	Synthesis and Structural Study of CeO2-Doped NMC 811 as the Cathode Material	NBRI, BATAN, BATAN-NBRI
		OR	15’	Slamet Sumardi, Widi Astuti, Fika Rofiek Mufakhir, Muhammad Fakhrudin and Evvy Kartini	Effect of Alkali Types during Iron Precipitation on the Manganese Sulfate Crystallization from Indonesian Manganese Ore	LIPI, LIPI, LIPI, BATAN, BATAN
		Battery (2)				
		INV	25’	Anne Zulfia Syahrial, Jarot Raharjo, Benediktus Madika	Synthesis of Lithium Lanthanum Titanate using Local Lanthanum Oxide as a Lanthanum Source for Lithium-ion Battery Anode Material Application	UI, BPPT, UI
		INV	25’	Widi Astuti, Slamet Sumardi, Fika Rofiek Mufakhir, Muhammad Fakhrudin and Evvy Kartini	Synthesis of Manganese Carbonate from Indonesian Manganese Ore as NMC Cathode Precursor	LIPI, LIPI, LIPI, BATAN, BATAN
		OR	15’	Kurnia Setiawan Widana, Ilsa Rosianna, Dhatu Kamajati, Frederikus Dian Indrastomo, Yarianto Sugeng Budi Susilo and Agus Sumaryanto	Characterization of Unconventional Rare Earth Elements Resources from Bangka Monazite and Tin Slag	BATAN
		OR	15’	Fanny Fahriatunnisa Muliawanti and Evvy Kartini	Graphene derived from rice husk	Padjajaran University, National Battery Research Institute
		OR	15’	Kurnia Trinopiawan, Evvy Kartini, Yarianto Sugeng Budi Susilo, Kurnia Setiawan Widana, Sudaryanto Sudaryanto and Mochamad Setyadji	Development of a process for production of Rare Earth Hydroxide from Monazite	BATAN
		Electric Vehicles				
		KN	30’	Prof. M. Nizam		Coordinator of National Research Priority on Energy Storage
		INV	25’	Adit Triwiguno, Muhammad Firmansyah, and Evvy Kartini	Market Study on the Mineral Resources for NMC Lithium-ion Battery Cathode in Indonesia	Infiniti Energi Indonesia, NBRI
		OR	15’	Henny Sudibyo, Vita Susanti and Merry Devi	Overview of the Level of Domestic Components in the Opportunities of the Indonesian Electric Vehicle Industry	LIPI
		OR	15’	Prasetyo Aji, Dionysius Aldion	Performance Evaluation of Web-Based Charging	Shizuoka University, BPPT, BPPT, BPPT,

				Renata, Rully Kusumajaya, Rachmawan Atmaji Perdana and Made Gunawan	Station Management System	BPPT
		OR	15’	I Made Gatot Karohika and I Nyoman Gde Antara	Optimization of Airless Tire Design for Electric Vehicles	Universitas Udayana
		OR	15’	Egi Jonathan, Shafira, Evvy Kartini	Market of Electric Vehicles in Indonesia	NBRI

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Day-3 (Thursday, June 24th 2021)

Session	Time	Code	Estimation	Speaker	Topic	Affiliation
Morning Session (GMT+7)	08.20-08.30	Opening by Master of Ceremony				
	08.30-09.10	PL	40’	Prof. Dr. rer. nat. Evvy Kartini	The development of NMC 811 cathode for lithium ion battery based on the local mineral resources	Founder of National Battery Research Institute and President of MRS-INA
	09.10-10.00	PL	50’	Yi Ke, Ph.D.	The Opportunities for Startups and Large Corporate Collaborations and our Experience on the EV and Battery Challenge and LG Chem Battery Challenge.	Energy Storage Program Manager – New Energy Nexus Global
	10.00-10.45	PL	45’	Prof. Ying Shirley Meng	From Atom to System-Building Better Batteries for Energy Transition	Research Award of International Battery Material Association 2019
	10.45-10.50	Room Transition				
	10.50-12.00	Battery				
		KN	30’	Dr. Alexey Glushenkov	Potassium-ion and Dual-ion Battery Chemistries	ANU, Australia
		INV	25’	Agus Sugiyono and Ira Fitriana	The Role of Battery Energy Storage System in Supporting the Net Zero Emission Target in Indonesia’s Electricity System	BPPT
		OR	15’	Achmad Subhan and Abdulloh Rifai	Li-ion Diffusion Behavior and Electrochemical Performance of Li4Ti5O12 and Na2Li2Ti6O14	LIPI
		Renewable Energy				
		KN	30’	M. Firmansyah, S.E.	The Effect of Renewable Energy Policy Implementation on Energy Usage	CEO at INFIEN ENERGI
		OR	15’	Mohammad Ridho Nugraha and Evvy Kartini	Analysis of Stand-Alone Street Light Installation in Tekno Area by Monitoring System Powered with Polycrystalline PV Panel and LiFePO4 Prismatic Battery	NBRI
		OR	15’	I Gusti Bagus Wijaya Kusuma and Aris Budi Sulistyo	Increasing energy storage capacity by using liquid hydrogen	University of Udayana and Politeknik Transportasi Darat Bali
	12.00-13.00	Break Session				
Afternoon Session (GMT+7)	13.00-14.00	PL	60’	Prof. Laurence Hardwick	In situ vibrational spectroscopy of electrode interfaces	Director of the Stephenson Institute for Renewable Energy, University of Liverpool
	14.00-14.50	PL	50’	Dr. Ana Jorge Sobrido, Ph.D.	Sustainable Freestanding Electrodes for Energy Storage	UKRI Future Leaders Fellow, QMUL
	14.50-14.55	Room Transition				
	14.55-16.30	Battery				
		INV	25’	Evangelin Hutamaningtyas, Hande Alptekin, Jorge Pavel Victoria, Ana Belen Jorge Sobrido, Magdalena Titirici, Alan J Drew	Tin-Hard Carbon Composite Anode Materials for Sodium-ion Batteries	QMUL, Imperial College London, QMUL, QMUL, Imperial College London, QMUL
		OR	15’	Safira Sabilla Rosyad and Mohammad Zaki Mubarok	Effect of pulse current on morphology and crystal structure of electrolytic manganese dioxide	ITB
		OR	15’	Heri Jodi, Anne Zulfia, Muhammad Fakhrudin, Evi	The Conductivity Enhancement of 1.5Li2O-P2O5 Solid Electrolytes by Montmorillonite Addition	BATAN, UI, BATAN, BATAN, BATAN

				Yulianti and Evvy Kartini		
		OR	15’	Deswita Deswita, Yulia Indriani and Indra Gunawan	Synthesis and Characterizations of LiMn2O4 Sheet over Al Foil as Cathode Material for Li Ion Baterry	BATAN, UNS, BATAN
		Electric Vehicles				
		KN	30’	Dr. M. Mustafa Sarinanto		BPPT, Indonesia
		INV	25’	Putu Gardian, Ardhi Wardhana and Rio Pramudita	The Impact of Growing Electric Vehicle Battery Production to Nickel Supply Chain in Indonesia Using System Dynamics Approach	Low Carbon Development Initiatives Indonesia, Institut Teknologi Bandung, PT Akuo Energy Indonesia
		OR	15’	Setiawan Nur Ikhsan and Evvy Kartini	Power Consumption Analysis of A Brushless DC Motor 48V 500W Electric Bike on An Assembled Lithium-ion Battery Pack	Diponegoro University, NBRI-BATAN
		OR	15’	Dzaky Pratama, U Ubaidillah, Aditya Prabowo and M Nizam	An Axial and Lateral Battery Crushing using Non-Linear Finite Element (NLFE) approach.	UNS
	16.30-17.00	**Closing Remarks**				

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