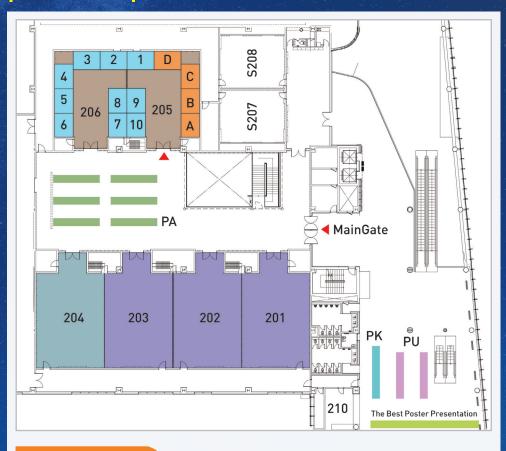
| Floor Plan |



Organizing Booth

KOMAC/KAERI

B PAL/POSTECH

RISP/IBS

KAFAT

Industrial Exhibition Booth

Hanmac Corporation

Saram International Co., Ltd

RAON USERS ASSOCIATION

KR TECH

DAWONSYS

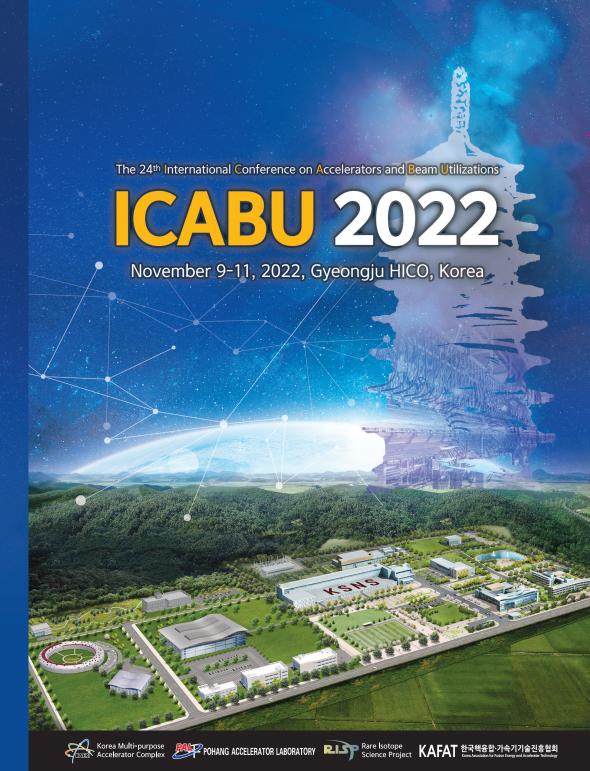
VITZRO NEXTECH

SUNGSAN Electronics & Communications Co., LTD

JM BROADCAST

AUTO TECH KOREA INC.

The Future-based Accelerator Technology **Experts Training Organization (ATE)**



Scientific Program of ICABU2022

► KOPUA 2022 Session: November 10 (THU)

		Scientific		
► Novem	nber 9	(WED)		
		Registration		
13:00)~	Start of post Posters		
13:30~13:50		[Opening Session] Opening & Welcome Address, Photo Taking #1		
13:50~14:30		[PT-1] Kyung Tae Ko (KBSI)		
13:30 -14:00		Overview of 4GSR-Multipurpose Synchrotron Radiation Construction Project		
14:30~15:10		[PT-2] Seunghwan Shin (Korea University) Ongoing Projects and Issues of 4th generation Storage Ring		
15:10~15:30		[IT-1] Gao-Yu Hsiung (National Synchrotron Radiation Research Center, Taiwan) Vacuum Design and Technical Development for the Taiwan Photon Source toward the Future Light Source		
15:30~15:50		Coffee Break		
15:50~16:10		[IT-2] Moses Chung (UNIST) Overview of fusion-like neutron sources based on high-intensity linear accelerators		
16:10~16:30		[CT-2] Young Seok Hwang (KOMAC/KAERI) Accelerator Facilities at KOMAC for Advanced Applications		
16:30~16:50		[CT-3] Nguyen Duy Quang (Kyungpook Nat'l Univ.) Proton response of a 1.5-inch trans-stilbene scintillator for lunar surface fast neutron investigation		
16:50~1	7:10	[CT-1] Manish Kumar (PAL) Structural phase transition and electronic structure of epitaxial VO2 thin films prepared on a-Al2O3 substrate		
► Novem	nber 10	0 (THU)		
9:00~09:40] Yongjoong Lee (Oak Ridge Nat'l Lab.) lology Challenges in High Power Spallation Targets Development		
9:40~10:00	[CT-6]	[CT-6] Jong-Won Kim (IBS) Commissioning results of a 70 MeV proton cyclotron system of IBS		
0:00~10:20		Coffee Break		
0:20~11:00		PT-4] Bjoern Keune (RI Research Instruments GmbH) RF-cavities – State of the art for the synchrotrons of the future		
1:00~11:20		TT-4] Alexei Sytov (INFN) rystal-based positron source for future lepton colliders		
1:20~11:40	[CT-5] Technic	TT-5] Holger Holtermann (BEVATECH) cchnical Design of an IH-type buncher for KoBRA at RAON		
1:40~12:00		[CT-10] Yoo Lim Cheon (KFE) Space-charge-driven halo formations and their mitigation via beam spinning in high-intensity linear accelerators		
2:00~13:30	Lunch	Lunch		
3:30~14:10	[PT-5] : Ion bear	[PT-5] Stefan Facsko (HZDR) Ion beam modification and ion beam analysis in current materials research		
4:10~14:30	[IT-4] S Accelera	[IT-4] Seong-Tae Han (KERI) Accelerator and Beam Related Technologies of the Electrophysics Research Center with the Korea Electrotechnology Research Institut		
4:30~14:50	[CT-7] Yaowaluk Tariwong (Nakhon Pathom Rajabhat Univ.) Luminescence, optical, compositional and structural investigations of natural ruby			
4:50~15:00	Coffee Break			
5:00~15:40	[PT-6] Ji-Ho Jang (IBS) Initial Beam Commissioning Results of RAON Linac			
5:40~16:00	[CT-8] Detecto	[CT-8] Kevin Insik Hahn(IBS) Detector and device developments for RI nuclear physics by CENS		
6:00~16:20	[CT-11] Future	[CT-11] Alexei Sytov (INFN) Future DESY II Booster Synchrotron proof-of-principle experiment for a crystal-based extraction of electrons		
6:20~16:30		Coffee Break		
6:30~16:50	[CT-12] SNUH I	[CT-12] Jaeman Son (SNUH) SNUH Project Status and Heavy Ion Therapy System		
6:50~17:10	[CT-13] Jaeseok Yang (Nat'l Cancer Center) Experience of the operation and maintenance of the Proton Therapy System in National Cancer Center, Korea			
7:10~17:30	Prelimir	[CT-14] Yong-Seok Lee (PAL) Preliminary design of RF system for Korea 4GSR		
7:30~17:50		I) Byungsik Hong (Korea University) nt status of LAMPS at RAON		
7:50~18:00	Coffee I			
8:00~21:00	Banquet	let [ATE Tutorial] (20:00-22:00) Tutorial for FEL Simulation: Myunghoon Ch	io (PAL)	

KOPU	A 2022 Session. November 10 (THU)				
10:20~10:30	[Opening Address] Prof. Kyung-Soo Nam (KOPUA/Dongguk Univ.) Dr. Jae-Sang Lee (KOMAC/KAERI)				
[PODITA	[KT-1] Prof. Jong-Ki. Kim (Daegu Catholic Univ.) Medical application of proton stimulation therapy				
[KOPUA Session 1] 10:30~11:30	[KT-2] Prof. Eun-Ho Kim (Daegu Catholic Univ.) Tumor-treating fields as a Proton beam-Sensitizer for Glioblastoma Therapy				
	[KT-3] Prof. Bo-Keun. Ha (Chonnam Nat'l Univ.) Plant mutation breeding using the proton-beam irradiation in Korea				
11:30~12:00	KOPUA General Meeting				
12:00~12:10	KOPUA 2022 Group Photo Taking				
12:10~13:30	Lunch				
13:30~14:00	[KOPUA Poster Session]				
	[KT-4] Prof. Sunghwan Kim (Cheongju Univ.) Energy Calibration of Particle Dosimeter on the Moon using High Energy Proton Beam	s			
[KOPUA Session 2]	[KT-5] Prof. Jakrapong Kaewkhao (Nekton Pethom Pejabhat University, Theiland) Dy3+doped Na20-Gd203-Al203-P205 glass scintillator: X-rays and proton responses				
14:00~15:20	[KT-6] Prof. In-Kwon Yoo (Pusan Nat'l Univ.) A detector research & development using the KOMAC				
	[KT-7] Prof. Yu-Seok Kim (Dongguk Univ.) Introduction of CO2, Produced from Fossil Fuel to Analyze Radiocarbon Dating Using AMS in Dongguk University				
15:20~15:40	Coffee break				
[WODILIA	[KT-8] Prof. Sangjoon Ahn (UNIST) Compatibility demonstration of centrally shileded burnable absorber imbedded UO2-U3Si2 fuel for soluble-boron-free i-SMR development				
[KOPUA Session 3] 15:40~16:40	[KT-9] Dr. Sung-Jae Chang (ETRI) Mechanisms of Device Degradation Induced by Proton Irradiation in the GaN-based MIS-HEMTs				
	[KT-10] Dr. Jongkuk Kim (KIMS) Stabilization of FCVAS Based Hybrid Coating System for Deposition of tetrahedral amorphous Carbon(ta-C) Films and its Applications				
16:40~16:50	Closing Address				
16:50~18:00	Executive Meeting				
► Novem	ber 11 (FRI)				
09:00~09:40	[IT-3] Nigel Orr (LPC-Caen) High-Energy Radioactive Beams and Systems beyond the Neutron Dripline				
09:40~10:00	[IT-5] Gi Jeong Chun (SNUH) Recent update in peptide receptor-targeted radionuclide therapy in Korea : as a theranostics approach				
10:00~10:20	[CT-15] Wasu Cheewasukhanont (Nakhon Pathom Rajabhat Univ.) Investigation of Luminescence & Radiation Shielding Properties via the Borosilicate Glass System for Multi-Function Applications				
10:20~11:00	Coffee Break				
11:00~12:30	[FR-1] Pilsoo Lee (KOMAC) Facility Report: KOMAC in 2022 [FR-2] Chang-Bum Kim (PAL) Status of PLS-II and PAL-XFEL [FR-3] Seung-Woo Hong (RISP/IBS) Overview and Status of RAON				
12:30~13:30	Lunch				
12.30~13.30					
13:30~13:30	Poster Session (Author Attendance is Mandatory)	Facilities Tour (KOMAC/PAL)			