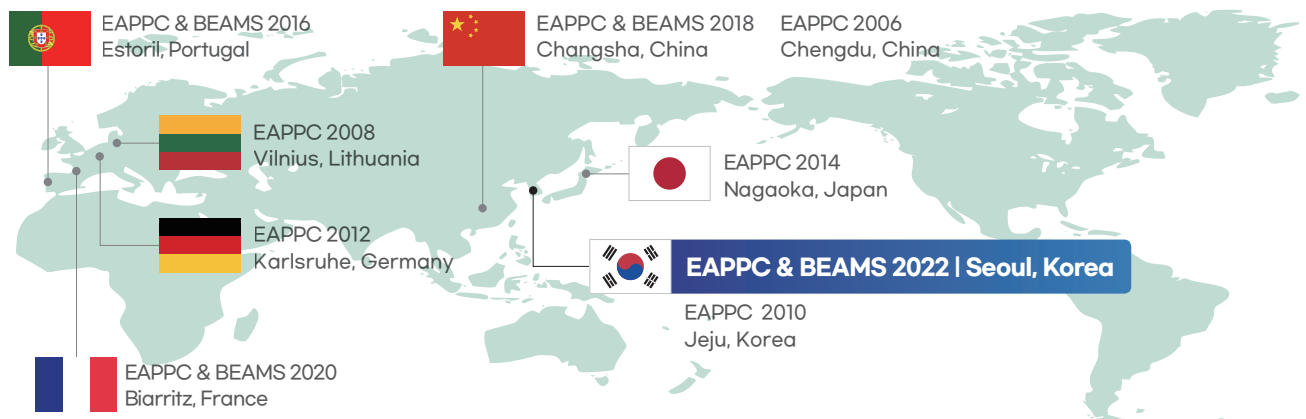


EAPPC & BEAMS 2022

9th Euro-Asian Pulsed Power Conference
24th International Conference on High-Power Particle Beams

September **18-22, 2022**

Seoul Olympic Parktel, Seoul, Korea



Organized by



Supported by







개요

EAPPC-BEAMS는 펄스파워 및 하전입자 빔 응용 연구 관련하여 아시아와 유럽 국가가 공동으로 주관하여 격년으로 개최하는 국제학술대회이며 IEEE 주도의 PPPS(Pulsed Power & Plasma Science)와 IPMHVC(International Power Modulator & High Voltage Conference)와 더불어 펄스파워 관련 세계 3대 메이저 학회의 한 축을 담당하고 있습니다.

펄스파워 발생 및 응용 기술, 고출력 전자기파 기술, 고에너지밀도 기술, 하전입자 빔 발생 및 응용 기술 등이 주요 연구발표 주제로 다뤄지고 있으며, 가속기, 고출력 레이저, 레일건, 핵융합 등 첨단 산업, 국방, 환경 및 에너지 분야 관련 주제를 포괄하고 있습니다.

EAPPC-BEAMS 학술대회는 고전압 펄스 및 전자빔의 발생과 첨단 응용을 위한 전기/전력전자/물리/진공전자 분야의 다양한 원천기술간 융합연구를 선도하는 학술대회로서 본 학회의 국내 유치를 계기로 해외 석학들과의 소통, 연구기술 교류 및 경험 공유 등을 더욱 강화할 수 있을 것으로 예상됩니다. 아직 국내 기술 기반이 취약하여 해외 원천기술에 크게 의존하고 있는 관련 분야에서 대한민국 연구자들이 국제적인 기술 선도 그룹으로 크게 도약하는 계기가 마련될 수 있을 것으로 기대됩니다.

학술대회명	The 9th Euro-Asian Pulsed Power Conference (EAPPC) jointly organized with the 24th International Conference on High-Power Particle Beams (BEAMS)	
일정	2022년 9월 18일(일)~22일(목)	
장소	서울 올림픽파크텔	
주관	 The Korean Institute of Power Electronics (KIPE)  Chung-Ang University	
후원	 Korea Tourism Organization  Seoul Metropolitan Government	
프로그램	환영연, 개회식, 기조연설, 논문 발표(구두, 포스터), 환송 만찬, 나이트 투어, 전시, 폐회식	
주요일정	초록 제출 기한	2022년 3월 31일
	초록 심사 결과 공지	2022년 5월 31일
	저자/사전 등록 기한	2022년 6월 30일
	Outstanding Young Scientist Award 신청 기한	2022년 7월 1일~8월 1일
	Special Issue 논문 제출 기한	2022년 12월 31일
사무국	(06234) 서울 강남구 테헤란로 7길 22 과학기술회관 1103호 Tel: 02-565-3571 E-mail: secretary@eappc-beams2022.org	

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EAPPC & BEAMS 2022 주제

PULSED POWER GENERATORS AND COMPONENTS

- High-Voltage Power Supplies
- Pulsed Power Generators and Networks
- Closing and Opening Switches
- Pulsed Power Diagnostics
- High-Voltage Insulation and Dielectric Breakdown Phenomena
- High-Energy Density Storage
- Linear Transformer Drivers (LTDs), Pulse Forming Lines and Transformers
- Pulse Forming Lines and Transformers
- Explosively-Driven Pulsed Power
- Numerical Modelling and Computational Techniques

PULSED POWER APPLICATIONS

- Medical, Biological and Environmental Applications
- Industrial and Commercial Applications
- Space and Emerging Applications
- Electromagnetic Launchers
- Wire Explosion
- Z, X-Pinches and Imploding Liners
- High-Power Lasers
- Fusion related Physics and Technology

HIGH POWER ELECTROMAGNETIC WAVES

- High Power Electromagnetic (HPEM) Technologies
- Vacuum Electron Devices
- High Power Antennas
- Extreme Terahertz Science

PARTICLE BEAM TECHNOLOGY

- Accelerators and Free Electron Lasers
- Charged Particle Generation and Application
- Intense Particle Beams
- Radiation Sources and Nuclear Electronics

HIGH POWER ELECTRONICS

- | | |
|---|---|
| • High Voltage & High Power Electronics | • Electrical installation |
| • Multi-level Converter & Application | • Power System & Renewable Energy Application |
| • HVDC/MVDC | • Battery & Energy Storage System Application |
| • High Power Electric Propulsion System | • High Efficiency Power Conversion |