

Direction and Focus of 18 Collaborative Innovation Centers (CIC) at BICI

CIC of Simulation & Design

Focus on R&D, application and consulting service of CAE software in the fields of aerospace, ocean engineering, wind energy, automobile, and high speed rail systems.

CIC of Intelligent Robotics

Focus on the R&D and technical services of high-end robots such as rehabilitation robot, surgical robot, and specialized robot.

CIC of Advanced Medical Accelerator

Focus on the development of laser accelerator and other advanced accelerator technologies for medical purposes.

CIC of Laser Technology

Focus on the development and application of advanced laser technology.

CIC of Smart Grid

Focus on fields of power generation management, power grid quality improvement, power distribution and utilization management, and power line communication.

CIC of Geospatial Information Technology

Focus on remote sensing and telemetry technology, remote sensing data processing, analysis and processing of spatial big data, and applied technology for navigation satellites.

CIC of Modern Communication Technology

Focus on intelligent audio and video processing technology, media data analysis and user analysis.

CIC of Financial Technology

Focus on information security technology, financial big data analysis, mobile application and mobile payment platform.

CIC of Optoelectronic Technology

Focus on fields of switchable LCD film, prism sheet, diffusion film, chromotropic film, backlight, ion-exchange membrane, new LED and OLED materials.

CIC of New Energy Materials

Focus on phase change energy storage materials, fuel additives and clean energy technology, lithium-ion battery materials, hydrogen fuel cell materials, flexible solar cells, energy storage materials, and photovoltaic materials.

CIC of Nanomaterials and Carbon Materials

Focus on graphene, carbon nanotube, carbon fiber, nanomagnetic materials, nano-ceramic materials, functional nanomaterials, nano powders, and dispersion technology.

CIC of Energy Conservation & Emission Reduction

Focus on energy saving & emission reduction technologies of high energy consumption, heavy pollution and high emission industries, such as the metallurgy industry, energy industry, chemical industry, construction materials industry, and nonferrous metals industry.

CIC of Water Treatment

Focus on the R&D and application service in fields of the treatment of municipal wastewater, light-polluted river and lake water, and industrial wastewater.

CIC of Air Pollution Control

Focus on automotive exhaust treatment, volatile organic compounds treatment, and the R&D and commercialization of air pollution control technologies in fields of metallurgy industry, energy industry, chemical industry, construction materials industry, nonferrous metals industry, and transportation industry.

CIC of Biomedical Engineering

Focus on the development of generic testing equipment, medical imaging equipment, handheld medical devices, and medical materials.

CIC of Omics Technologies and Health Management

Focus on fields of -omics technologies, precision diagnosis, antineoplastics, and application of Chinese medicine.

CIC of Germplasm Resources

CIC of Food Science and Engineering

Focus on advanced food processing equipment and technologies, functional food, food additives, and additives application solutions.