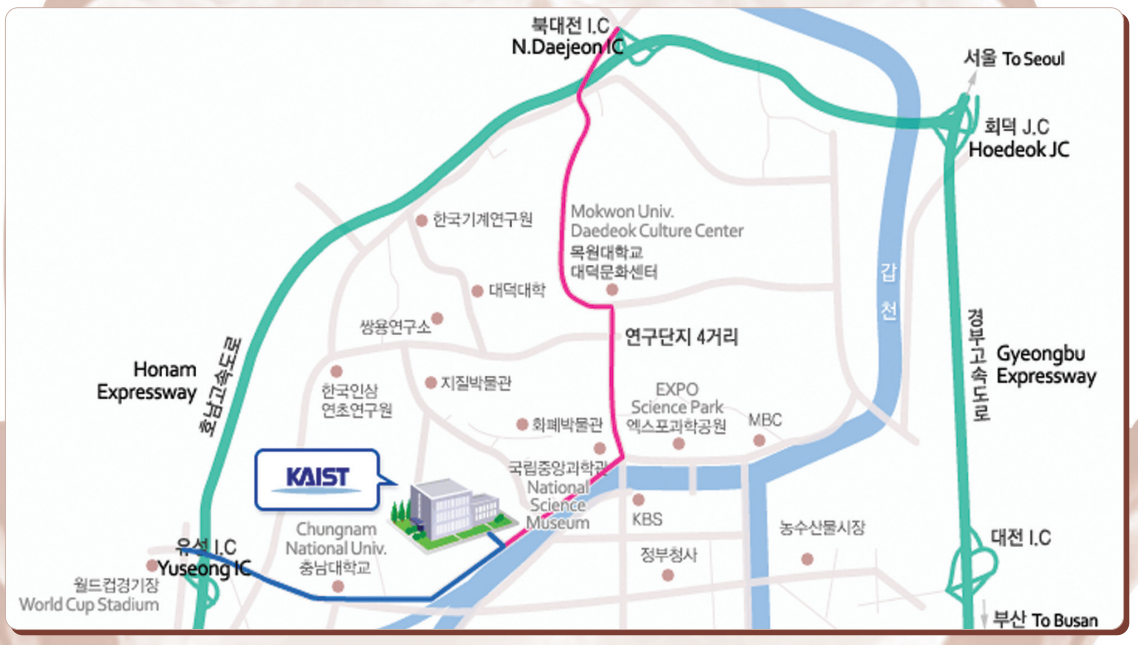
››› Venue


북대전 I.C
N.Daejeon IC
서울 To Seoul
회덕 J.C
Hoedeok JC
한국기계연구원
Mokwon Univ.
Daedeok Culture Center
목원대학교
대덕문화센터
대덕대학
갑천
쌍용연구소
연구단지 4거리
경부고속도로
Gyeongbu Expressway
Honam Expressway
호남고속도로
한국인삼
연초연구원
지질박물관
EXPO
Science Park
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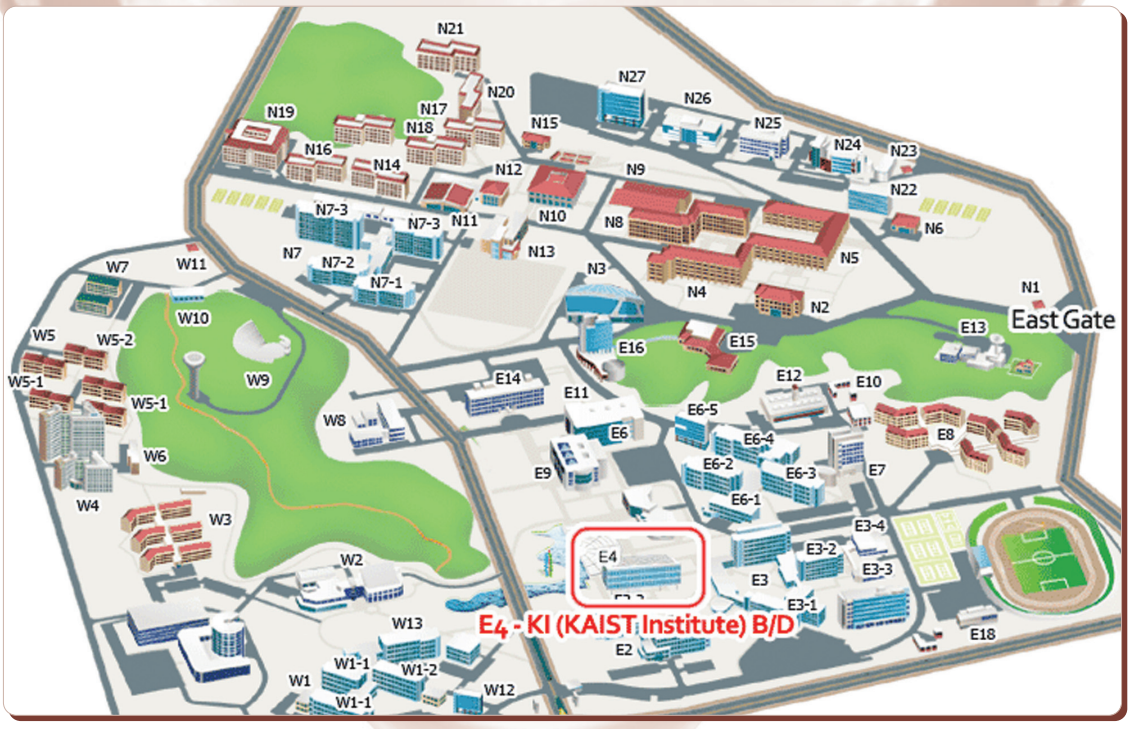
National Science Museum
KBS
농수산물시장
대전 I.C
Chungnam National Univ.
충남대학교
유성 I.C
Yuseong IC
정부청사
월드컵경기장
World Cup Stadium
부산 To Busan


East Gate
E4 - KI (KAIST Institute) B/D

⟩⟩⟩ Invitation

On behalf of the organizing committee, I would like to thank the speakers and audience for attending. It is truly a privilege to be able to co-sponsor this workshop on Neuroimaging and Brain mapping.

The field of Neuroscience and Neuroimaging is truly an interdisciplinary approach which draws knowledge from traditional sciences such as physics, chemistry, neurology, neurobiology, and from the cognitive sciences such as psychiatry and psychology.

Neuroimaging itself is a relatively new and emerging area of research in science, engineering and medicine. With the development of X-ray CT (computed tomography) in the late 1900's, the field of neuroimaging has taken huge strides forward since, with the invention of MRI (magnetic resonance imaging), PET (positron emission tomography), MEG (magnetoencephalography), and EEG (electroencephalography).

These imaging modalities allows for non-invasive in-vivo imaging of human brains allowing physicians to diagnose brain disease and abnormalities early without the use of invasive surgery. It has also allowed scientists and researchers to explore the inner structures as well as chemistry of the human brain in-vivo, extending the research field of neuroscience from the study of mice and rats to the human brain. In addition analyzing methods such as DTI, anatomical segmentation and fMRI allows us to gain in-depth knowdedge to the structural and functional features of individual human brains.

This workshop will address methods using neuroimaging to study mechanisms of brain function and how these depend on structure and/or architecture of the brain. It will also address image analysis of these neuroimaging modalities for brain mapping and clinical applications.

We invited ten distinguished speakers from abroad and Korea to provide a comprehensive overview of the current trends and research being performed in this field. I hope you will all enjoy this workshop and that it will provide invaluable knowledge and stimulate discussion and new ideas for future research.

Yong Jeong

Chair of organazing committee