

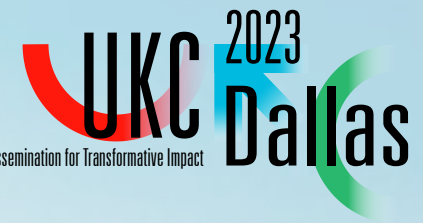


# UKC 2023 Distinguished Forum

## KHNP Forum

Carbon Zero with Nuclear Energy

1:30pm, August 3, 2023, Thursday, Room Hobby



### ***KHNP (Korea Hydro Nuclear Power Co., Ltd.) Forum***

This forum focuses on achieving carbon neutrality through the utilization of nuclear energy, specifically emphasizing the role of small modular reactors. Currently, KHNP is developing an innovative SMR (i-SMR) and integrated the i-SMR to a platform of a zero-carbon city model, so call i-SMR Smart Net Zero City (SSNC). The SSNC model uses i-SMR for multi-purpose energy source such as electricity generation, hydrogen generation, district heat, desalination and so on. Through this forum, KHNP introduces the i-SMR design and SSNC digital model development status and shares the valuable insights with UKC members about the effective and optimized development strategies regarding i-SMR and SSNC.



**Hyungook Kang**  
Chair  
Professor, Rensselaer  
Polytechnic Institute



**Hocheol Shin**  
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Head, KHNP CRI



**Deokwoo Nam**  
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**Jiyong Oh**  
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**You Huyn Jang**  
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**Howard H. Chung**  
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Professor  
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