

Profile- Sai Kiran Oruganti. PhD

Sai Kiran Oruganti is the newly appointed CEO of TIH- Indian Institute of Technology Patna. Dr. Oruganti, has a proven track record of translational research. His 16 granted patents led to 2 spinoff companies based out of Ulsan National Institute of Science and Technology, South Korea. He headed the design division of ZN Ocean technologies, he played a critical role of bridging the gap between Industry and Korean academia.

Between 2019-2022 he was with the School of Electrical and Automation Engineering, Jiangxi University of Science and Technology, Ganzhou China, where he was appointed as a full-professor and was responsible for setting up the advanced wireless power transfer research laboratory. He specializes in wireless power transmission through radio shielded zones.

In February 2016, he graduated from Ulsan National Institute of Science and Technology (UNIST), South Korea. During his Ph.D. at UNIST, he successfully developed wireless systems for Hyundai Heavy Industries, Ulsan and Samsung Heavy Industries, Goeje Islands, Korea. These systems were developed to counter electromagnetic shielding aboard the marine vessels and communicate to various radio systems. He also worked as a Faculty member at the Indian Institute of Technology between 2016-17. He had won the URSI Young Scientist Award in 2016.



URSI Young Scientist Award 2016



Specialist:

1. Wireless Power and Data Transmission Through Metal Shielded zones.
2. Zenneck Wave Power Transfer

Commercialization of Research:

1. ZN Ocean Technologies
2. SunnyWave, South Korea.

Research Output:

1. 16/21 Patents granted (7 US, 3 PCT, 1 China, 2 EU, 8 Domestic)
2. 12 Journal articles (SCI-Q1)
3. 12 IEEE Flagship international conferences