

# **Abstract**

**Khaled S. El-Kilany**

## **? Reusable Modelling and Simulation of Flexible Manufacturing for Next Generation Semiconductor Manufacturing Facilities**

Work included the development of reusable simulation model of Intel's latest semiconductor manufacturing facility. Result of the work was a generic modelling and simulation tool for intrabay AMHS that was built to help in further enhancing and updating the design and operational characteristics of that system.