

# A SystemC-centric Approach for Simulation and Generation of WSN Applications Targeted to ZigBee

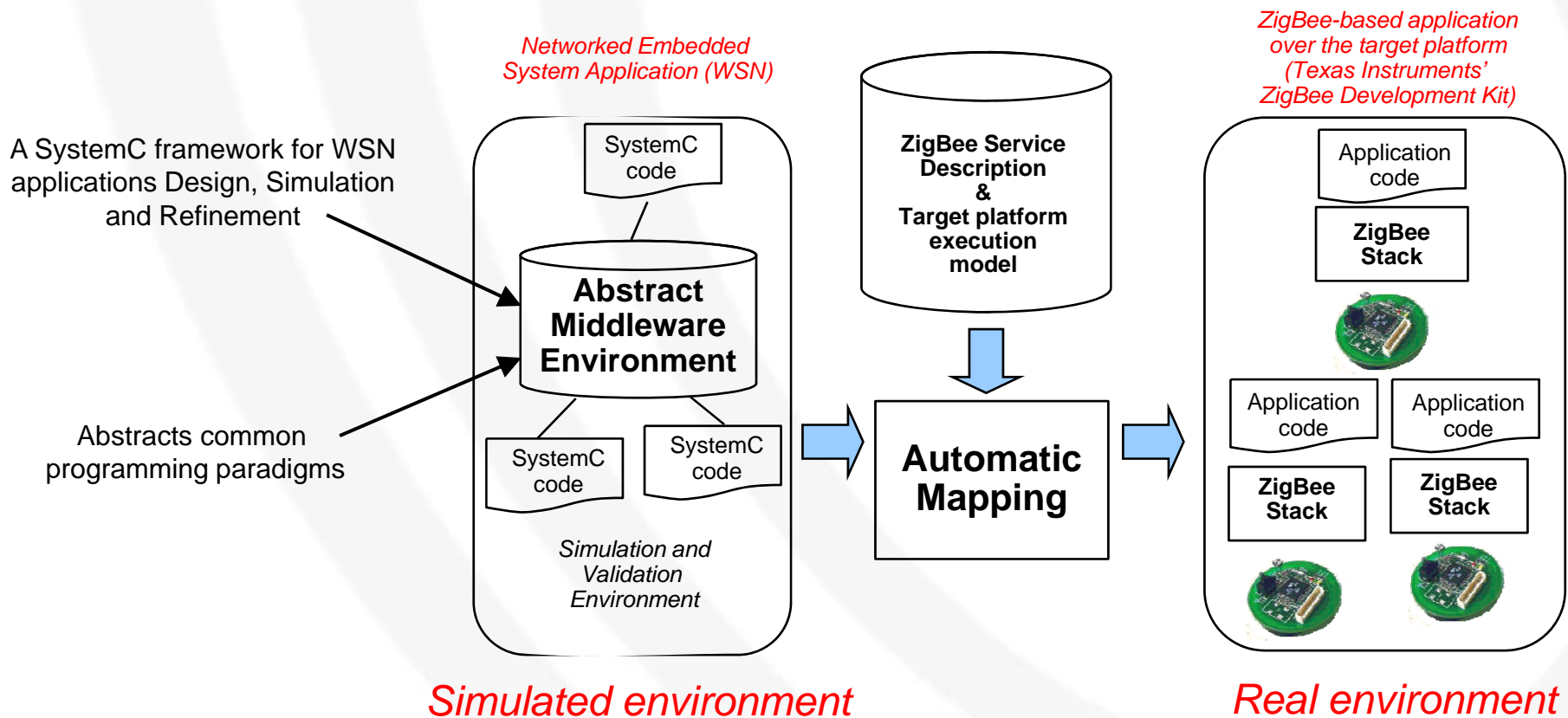
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# Wireless Sensor Network Application Issues

- WSN application developed without any support from system software
  - “O.S + device drivers + libraries + WSN application” as a monolithic procedure
- Non-trivial development of WSN applications
  - Ad-hoc applications
  - No flexible and scalable
- High development costs

# A novel approach for the development of WSN applications (ZigBee-based)

- Introduction of a novel approach: **Middleware-centric**



# AME Object-oriented to Z-Stack (ZigBee) mapping process

