

<http://embeddedandvlsidesignconference.org/>



## The 32nd International Conference on VLSI Design & The 18th International Conference on Embedded Systems January 5-9, 2019, (New Delhi, National Capital Region, India)

The Go Green Conference



### Call for Ideas: EMBEDDED SOLUTION DESIGN CONTEST

This joint conference is a forum for researchers and designers to present and discuss exciting new developments in VLSI design and embedded systems. Selected Design Contest applicants will get an opportunity to participate in the conference and/or present your innovative design ideas. The program will also include workshops/tutorials (January 5-6, 2019) on emerging trends in embedded systems design.

### Theme of the Contest

Innovative design contest ideas are invited in all areas of Gateway and IOT embedded systems. For information of the kit. PI go through the below link [www.nxp.com/modulargateway](http://www.nxp.com/modulargateway)

**Important Dates**  
**Embedded Solution Design Contest**

**Submission of Ideas:** October 29, 2018  
**Acceptance notification:** October 31, 2018  
**Kit Distribution:** October 31, 2018  
**Idea Presentation at Conference:** January 5-6, 2019

**Objective:** The Embedded Solution Design Contest solicits innovative ideas on Gateway and IoT Embedded solutions.

**Who:** Engineers from Industry and University students can submit their proposal in the suggested template. If accepted, contestants must use the provided kit to convert their ideas into a real application, limited only by their imagination.

**Design Kit:** A Modular IoT Gateway Solution, this design is based on popular NXP SoC family i.MX. Gateway development platform design, based on ARM processor based i.MX6. This MPU provides optimal application performance, low power, low cost, and robust secure large network connectivity with Thread, Zigbee, and BLE Mesh. The ability to connect to the cloud with connectivity options as Ethernet and WiFi make this design very suitable for Gateway and related applications.

**Contact for support :** [designcontest.2019@gmail.com](mailto:designcontest.2019@gmail.com)



### Suggested Target Applications:

We suggest a few applications below but are open to other innovative ideas related to Gateway & IoT applications.

1. Portable health care devices, Wearable Sports/Fitness devices
2. Gaming controllers, Access control, and Security systems
3. Smart energy and Automated meter reading
4. Home area networks
5. Medical Network
6. HVAC Control, Lighting control, Asset tracking
7. Environment monitoring and control
8. Automotive IoT and Gateway

### SPECIAL RECOGNITION

Top 5 ranked designs ideas will get a chance to present their designs in the workshop during the conference.

### BEST Design Award

Top 3 innovative Embedded System Designs will be considered for the award.

### Submissions

All submissions should be made electronically via the conference website <http://embeddedandvlsidesignconference.org/> by **October 29, 2018**. Proposal entry link at the conference website will be open from **4<sup>th</sup> October 2018**. Your design proposal should clearly state the Innovative Project Proposal name, block diagram, brief description, tentative Plan, and any special need during design presentation at the conference.

The Proposal must be in PDF or PPT format and must not exceed 4 pages including figures and references (10pt font). Papers exceeding the page limit will be rejected without review. For any query please do write to us at [designcontest.2019@gmail.com](mailto:designcontest.2019@gmail.com)