



ON Semiconductor®

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ON Semiconductor (Nasdaq: ON) is driving energy efficient innovations, empowering customers to reduce global energy use. The company is a leading supplier of semiconductor based solutions, offering a comprehensive portfolio of energy efficient power and signals management, logic, standard and custom devices. The company's products help engineers solve their unique design challenges in automotive, communications, computing, consumer, industrial, medical and military/aerospace applications. ON Semiconductor operates a responsive, reliable, world-class supply chain and quality program, and a network of manufacturing facilities, sales offices and design centers in key markets throughout North America, Europe, and the Asia Pacific regions. For more information, visit <http://www.onsemi.com>

(Field) Applications Engineer Trainee

(1 year full-time internship, 1 opening)

Responsibilities:

- Provide support to field application engineer on integrating power management IC into application board for marketing promotion.
- Feasibility study to improve AC-DC power supply efficiency in various switching mode power supply topologies.
- Provide measurement/characterization/comparison of power supply efficiency for different SR MOSFETs, Diodes, Inductor and Transformer.
- Provide support to develop a solution to achieve 90% efficiency for desktop power supply (ATX).
- Replicate demo board, prepare component preparation, test report and related documentation.
- Capture schematic information and layout the application / Demo / test boards under application engineer supervision

Requirements:

- **Year 2 / penultimate year** EE student with an interest in system design and Power Management IC applications.
- Knowledge of power conversion topologies (buck, boost, buck/boost converters).
- Knowledge of PCB and schematic design software (PowerPCB and ORCAD / Cadence).
- Knowledge of PSPICE or ISPICE simulation software.
- Experience in power electronics equipment operation (Electronic Load, DC Sourcing, Oscilloscope, spectrum analyzer).

Internship Period	Preferably June 2018 – July 2019 (12 months)
Working Days	Monday to Friday
Working Hours	9am - 6pm
Annual Leave	1 day per month
Other Benefits	Medical, dental and life insurance
Location of Work	HK Science Park, Shatin, N.T
Application	Submit a cover letter and a detailed resume to Staffing.Asia@onsemi.com (Ms. Chung / Ms. Butt)