



Engineering COOP - Rochester, New York

September 2017 – January 2018

IDEX America Inc. and its parent company IDEX ASA, a leading developer of fingerprint sensor devices is seeking Engineering COOP to assist development of state-of-the-art mixed-signal fingerprint sensing devices. As Engineering COOP, you will work closely with engineers in the ASIC Development organization in Rochester, NY to deliver high-volume products based on cutting-edge sensor technologies into Mobile, Smart Card and IoT markets.

Tasks and responsibilities:

- Perform device characterization for capacitive fingerprint sensing ASICs. The work will involve development of hardware and software tools for the characterization.
- Perform physical layout of mixed-signal integrated circuit.
- Run behavioral and circuit level simulations to analyze behavior of existing ASICs
- Create documentation of measurements and engineering analysis

Required Experience:

- Enrollment in BS / MS in Electrical, Computer or Microelectronics Engineering
- Completion of 2+ years of study
- Coursework in analog, digital or semiconductor classes or projects.

Desirable Experience:

- Previous COOP/Internship experience
- Familiar with lab equipment such as multimeter, oscilloscope and logic analyzer
- Familiar with Matlab, circuit simulator and Microsoft Office

Education:

- Enrollment in BS / MS in Electrical, Computer or Microelectronics Engineering

Personal capabilities:

- Strong interest and enthusiasm to learn IC development in industry
- Excellent written and communication skills
- Organizing results from analysis and measurements

Potential:

IDEX Rochester is a small team with cross functional team in one site. You will be exposed to wide spectrum of work for mixed-signal ASIC development

Work place:

COOP position in Rochester, New York

IDEX ASA:

IDEX ASA specializes in fingerprint imaging and recognition technology. IDEX's vision is to ensure individuals a safe, secure, and user-friendly use of personal ID.

IDEX has developed the award-winning SmartFinger® technology platform based on the company's core intellectual property, including the patented fingerprint imaging principle, sensing scheme and chip design.

Web site:

www.idex.no

Contact:

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