



## Engineering COOP - Rochester, New York

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](http://www.idex.no)

**Contact:** [careers\(at\)idexus.com](mailto:careers@idexus.com)