

# the new faces of engineering

The world wouldn't be able to do anything without engineering! Cell phones, highways, bridges and airplanes are all products of imaginative engineering. But so are things like make-up, video games, sporting goods and medical devices.

**Engineering innovations** are part of our daily lives. Nearly everything we feel, wear, eat, see and hear have been designed, created, or modified by engineers.

**Their innovations** stimulate economic growth, strengthen national security systems, improve health care, and safeguard the environment.

**Engineering** careers are challenging but fulfilling, interesting and economically rewarding, and will keep our country competitive in the 21st century.

**Engineering is everywhere!**

## the new faces of engineering RoadShow

### What it's about:

A Cleveland Engineering Society outreach program to inform and excite Northeast Ohio high school students about the profession of engineering and the many career opportunities it offers. The RoadShow is geared to sophomores and juniors.

### Why it's important:

The U.S. needs engineers and scientists to remain a global economic leader. But statistics show the number of students choosing technology careers is on the decline. The top reason? Engineering and technical disciplines don't make it to their radar screens! Or they think an engineering career or science curriculum is too tough and boring.

Through its **new faces of engineering** RoadShow, CES members will talk to students, parents and educators about:

- What it's like to be an engineer
- The variety of available career paths
- The financial and personal rewards
- A typical college curriculum
- Northeast Ohio schools with 2- and 4-year degree programs
- Local public and private sector employers

And answer questions during the presentation and afterwards!

### How it works:

The Cleveland Engineering Society will send teams of 2-3 engineers throughout Northeast Ohio to present a fun, fact-filled presentation on the advantages of choosing engineering as a career.

Schools choose the date and time, provide a location, decide on the size and makeup of the audience (students with or without parents and teachers) and get the word out to students...

**CES does the rest!**

### What the RoadShow presents:

- The U.S. need for engineers.
- Why choose engineering?
- Financial benefits of an engineering career.
- Most popular engineering disciplines.
- Engineering as a college major.
- Where can I study engineering?
- What's engineering school really like?
- Women and minorities in engineering.
- Northeast Ohio engineering employers.

### PLUS

#### The new faces of engineering video

For more information or to schedule a RoadShow visit, please contact Jessica Bayles by phone, 216.361.3100 or by email, [jbayles@cesnet.org](mailto:jbayles@cesnet.org).

The RoadShow program enjoyed tremendous success during its inaugural 2005 spring semester pilot program.

Twenty-five Cleveland Engineering Society volunteers with a vested interest in workforce development in Northeast Ohio took time from their jobs and businesses to visit 31 schools in an eight county region. They talked with a diverse population of more than 1,400 high school sophomores and juniors to make them aware of the advantages and opportunities available in the fields of engineering and technology. More than half of the students were women and more than a quarter were minorities.

CES created a legacy video, which highlights the sponsors faces of engineering thanks to the support of our sponsors.

### 2005 RESULTS

31	High Schools
1406	Students
729	Women
374	Minorities
25	Engineers
100%	Come-back requests

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presented by:



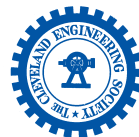
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