

	<b>High Impact Technology Exchange Conference</b>	
	<b><i>Educating America's Technical Workforce</i></b>	
	<b>Fairmont Scottsdale (Arizona)</b>	<b>July 19–22, 2009</b>

## MARICOPA PROFESSIONAL DEVELOPMENT INITIATIVE FOR TECHNICIANS

In these tough economic times, it is increasingly important for technicians to keep current with advances in their field and expand their areas of expertise. Additional training and experience could prove to be a crucial advantage in this highly competitive job market. The Maricopa Community Colleges recognize this importance and, through funding from the National Science Foundation, are offering a Maricopa Professional Development Initiative for unemployed or furloughed technicians to participate in professional development opportunities at the High Impact Technology Exchange Conference (HI-TEC).

HI-TEC offers a wealth of practical information to help technicians further develop their knowledge, skills, and abilities, while providing valuable networking opportunities. Preconference workshops allow participants to gain hands-on experience with current and emerging technologies, while conference sessions and keynotes provide an up-close look at the ever-advancing tools, training demands, and recent developments in emerging and converging technology fields.

**HI-TEC uniquely explores emerging and converging technology areas such as:**

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|--|--|
| ◆ <b>Advanced Manufacturing</b>                    | ◆ <b>Information &amp; Security</b>    |
| ◆ <b>Agricultural, Environmental, &amp; Energy</b> | ◆ <b>Learning &amp; Evaluation</b>     |
| ◆ <b>Biotechnology &amp; Chemical</b>              | ◆ <b>Micro- &amp; Nanotechnologies</b> |
| ◆ <b>Engineering</b>                               |  |

### ELIGIBILITY REQUIREMENTS

Applicants must show proof that they are currently either unemployed or furloughed as a technician in an advanced technology area related to the HI-TEC featured technology areas. Award recipients must attend one & a half days of preconference workshops and/or tours July 19-20 in addition to the main conference sessions July 21-22.

### PACKAGE DETAILS

**Package is valued at \$725 and includes:**

- **Workshop Registration (\$225)** for one and a half days of preconference workshops (may include an industry tour) July 19-20 (includes continental breakfast and lunch on July 20 only).
- **Conference Registration (\$500)** for conference sessions July 21-22 (includes continental breakfast and lunch on both days).

**NOTE:** Transportation and lodging are not included. Continental breakfast and lunch are provided July 20-22 only. By accepting this package, attendee acknowledges they are responsible for any travel, lodging, and any additional expenses they may incur.

### APPLICATIONS

Maricopa Professional Development Initiative applications are available at [www.matecnetworks.org/technician](http://www.matecnetworks.org/technician). The application deadline is June 18, 2009. Only the first 100 applications will be accepted, 25 of which will receive the professional development award.



## High Impact Technology Exchange Conference

### Educating America's Technical Workforce

Fairmont Scottsdale (Arizona)

July 19–22, 2009

#### BELOW IS A SAMPLING OF TECHNICIAN FOCUSED OFFERINGS:

#### PRECONFERENCE WORKSHOPS & TOURS JULY 19-20, 2009

##### Sunday 1:00 PM to 5:00 PM

- Product Lifecycle Management
- Enhancing Technician Employment Opportunities in Photonics-Enabled Technologies (*Continued Monday*)

##### Monday 7:30 AM to 10:30 AM

- **Industry Tour I:** Solar Technology & Research Center

##### Monday 8:30 AM to 4:30 PM

- Integrating Geospatial Technologies to Support your Organization
- Intersections of Biotechnology, ICT, and Security
- Emerging Technologies in Biofuel and Wind Energy Production

##### Monday 8:30 AM to 12:00 PM

- Enhancing Technician Employment Opportunities in Photonics-Enabled Technologies (*Continued*)
- Microsystems (MEMS) Innovators Wanted

##### Monday 1:00 PM to 4:30 PM

- Introduction to Computer Virtualization
- Green IT – The Next Big Thing
- **Industry Tour II:** Translational Genomics Research Institute
- **Industry Tour III:** Arizona State University Flexible Design Center

#### MAIN CONFERENCE SESSIONS JULY 21-22, 2009

##### Tuesday 9:30 AM to 6:00 PM

- **Technology Showcase Exhibits**

##### Tuesday 10:30 AM to 12:00 PM

- New and Emerging ICT Technologies
- Nanotechnology: from Energy to Medicine
- Technician Roles in Renewable Energy Fields

##### Tuesday 1:30 PM to 3:00 PM

- Technician Success in Micro- and Nanotechnologies
- Future of Geospatial Technologies

##### Tuesday 3:30 PM to 5:00 PM

- Information Security/Information Assurance

##### Wednesday 9:30 AM to 3:30 PM

- **Technology Showcase Exhibits**

##### Wednesday 10:30 AM to 12:00 PM

- Applications of Photo Stitching Technology
- Gene Chip Arrays and BioMEMS
- Technician Roles in Energy Conservation

##### Wednesday 1:30 PM to 3:00 PM

- Nanotechnologists: a Job in Many Markets
- Certification for Technicians

##### Wednesday 3:30 PM to 5:00 PM

- Virtual Enterprise Integration in IT and Biotech

#### QUESTIONS?

For specific questions, contact Lara Smith at (480) 731-8050 or [lara.smith@domail.maricopa.edu](mailto:lara.smith@domail.maricopa.edu).

HI-TEC is sponsored by a consortium of NSF Advanced Technological Education centers and projects and supported by grants from the National Science Foundation and contributions from corporate and industry partners.



For more information, or to register, visit [www.highimpact-tec.org](http://www.highimpact-tec.org).