



REGIONAL FORUMS for SENIOR IT LEADERS

CIO

PERSPECTIVES



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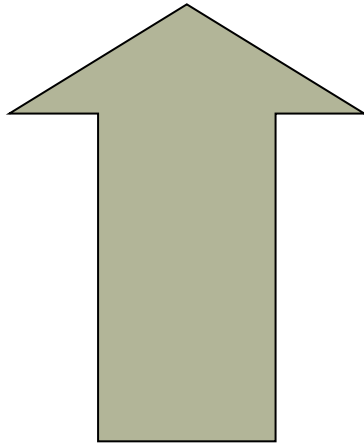


The IT Career Crisis

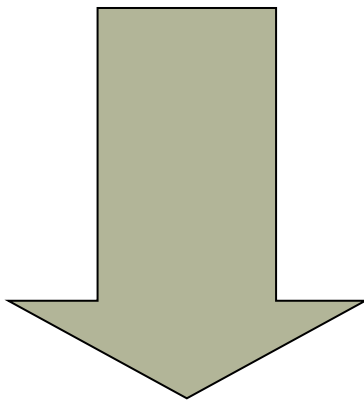
What it is...
and how we can turn it around !

Eric Hungate
CIO Texas Association of School Boards

“Paradox” in the IT Industry



Increasing Demand
for Talent



Decreasing Supply
of Skilled Workers

The Tech Turnaround...



- The technology sector is recovering faster than the broader economy with U.S. Bureau of Labor Statistics reporting that the industry added 115,000 jobs through June 2011.

...OPPORTUNITY

- Up cycles usually attract more students (think dot com era), but this isn't happening... partially a mistaken notion of IT as a dead-end career overall a result of our "Drop Out Nation"

...CHALLENGE

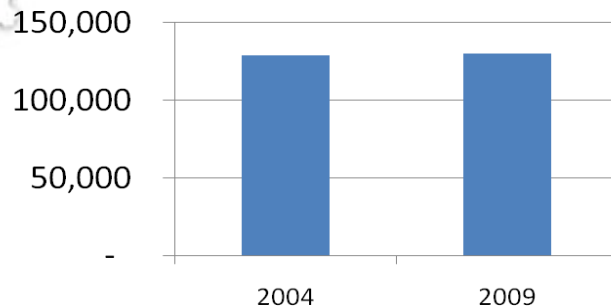
American Jobs in IT Are Here...



1% growth



Total Jobs

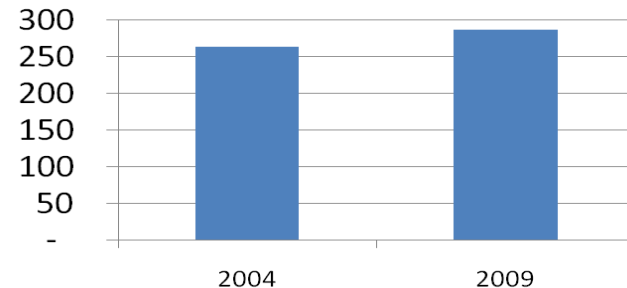


Source: US Department of Labor

9% growth



IT Jobs



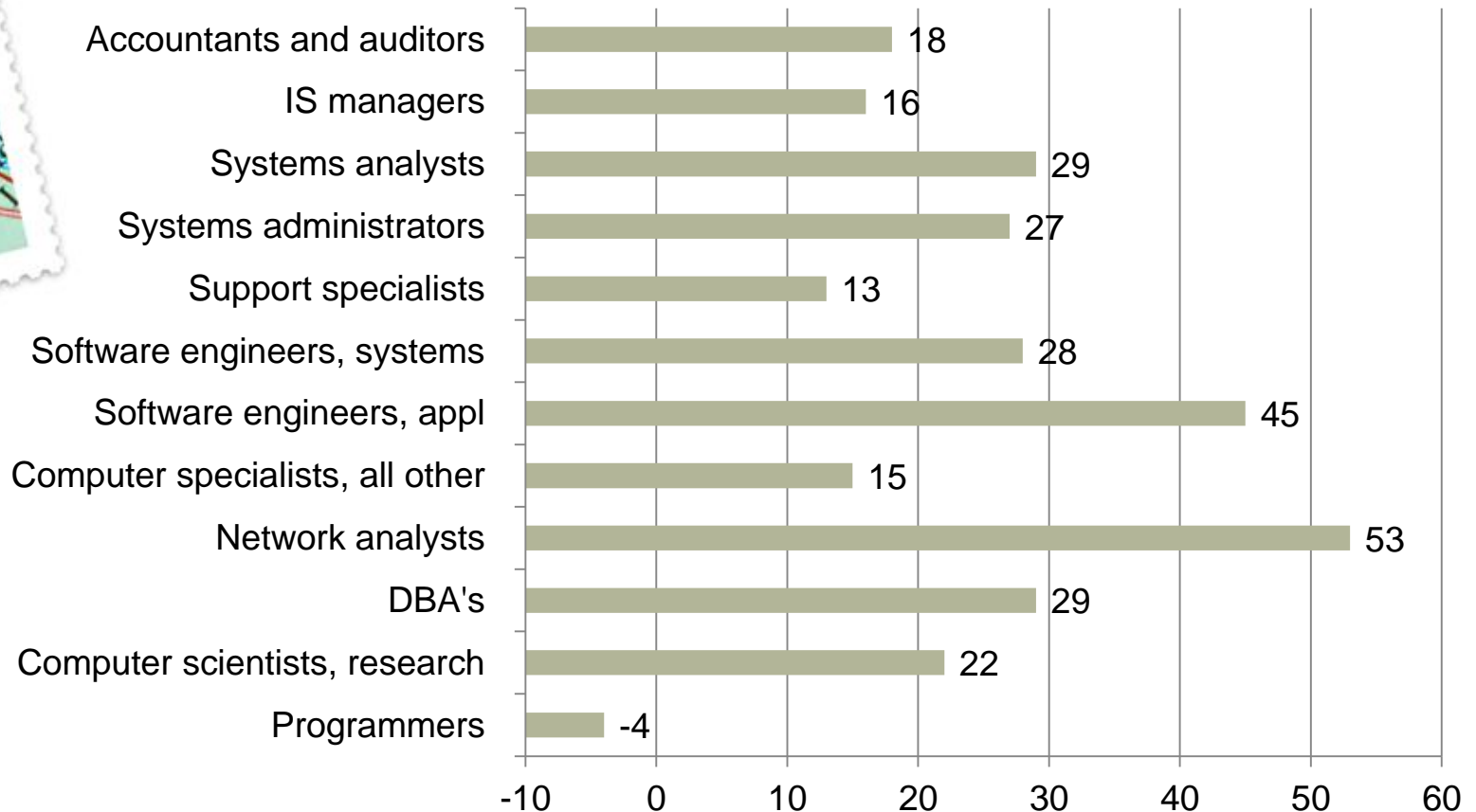
Source: US Department of Labor

Growth in I.T. jobs (not including related management or creative functions) has outstripped overall job growth by 10x

Projected Occupation Growth



Percentage change, 2006-16



Source: Occupational Outlook Handbook, 2008-9; <http://www.bls.gov/oco/>



IT Jobs Require More Than High School Diploma

- Overall nearly 70 percent of high school graduates now go to college within two years of graduating.
- ... but only about 4 in 10 Americans have obtained either an associate's or bachelor's degree by their mid-twenties.
- Only 56 percent of those enrolling in a four-year college attain a bachelor's degree after six years
- Less than 30 percent of those who enroll in community college succeed in obtaining an associate's degree within three years.

Source: National Center for Higher Education Management Systems and NCES/IPEDS.

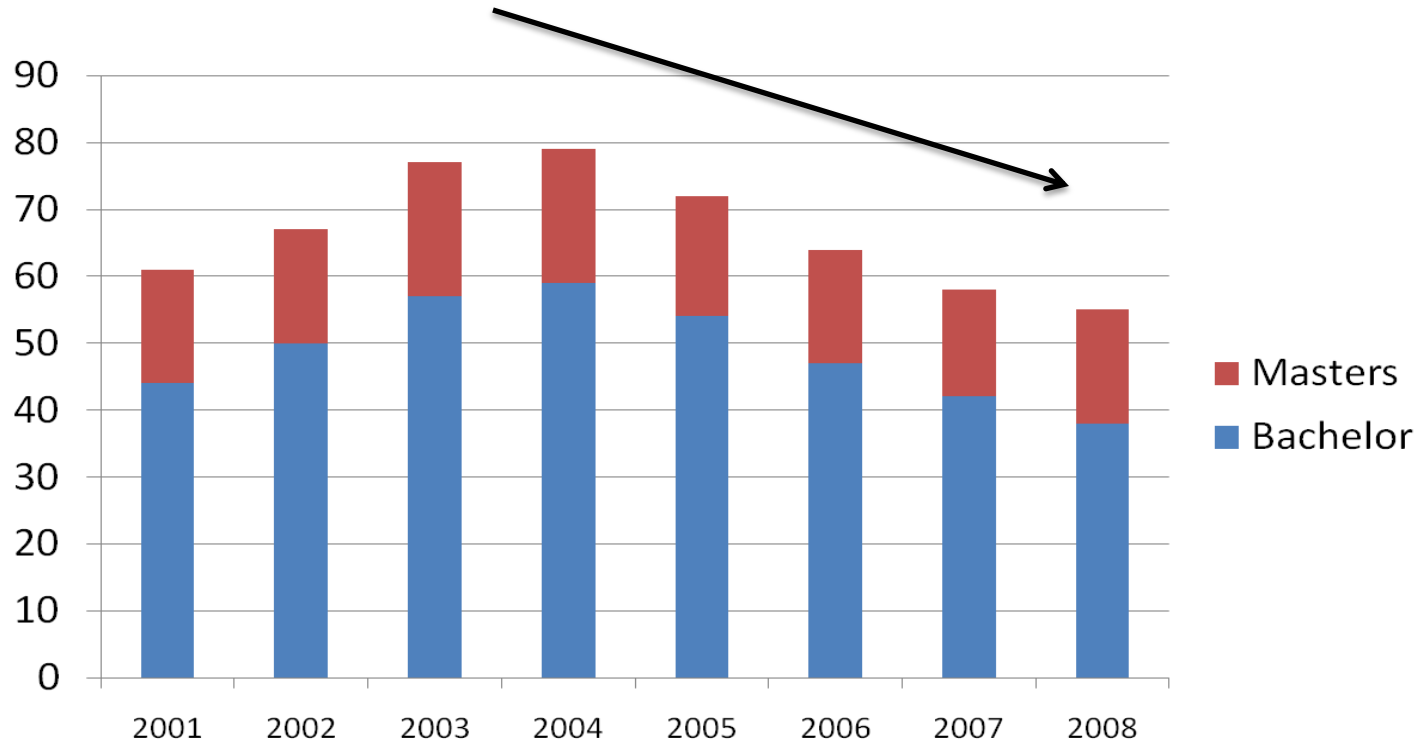
“America’s Tech Talent Crunch”



DICE.com Report for 2011:

- Dice.com posts more computer jobs in one day than there are computer science grads ready to fill American business needs. In California, that ratio is three to one.
- The number of computer-related bachelor’s degrees conferred has plummeted nationwide, creating a pipeline problem that begins in elementary school, extends through secondary and post secondary education, and ends in corporate America.

Look Where We Are Headed...



Source: US Department of Education

The total number of computer and information science degrees has slipped by 30% from a peak in 2004

America's Losing Ground and We Can't Wait...



“Learning for Jobs” & “Work-based Education” Holds the Key !!!!

- Vocational experiential activities hold student interest and keep sight on the prize... a job and career! (Look at the community attention devoted to developing young athletes.... Huge! National! \$\$!)
- Extracurricular, career focused, student organizations have proven to increase graduation rates across grade levels!
- These organizations are the obvious link where local business, parents and educators can meet!
- ...and these established student organizations exist today... ready, willing, and able to be the conduit while we revamp our model of education.



Our “Youth in IT” Mission

Create an IT Career Pipeline that will engage, retain, and prepare the nation’s youth for today’s and tomorrow’s technical jobs.

“Youth in IT” – A Three Part Strategy



Connect the existing top three tech focused student organizations from middle school to college:

- TechCorps Texas (TCTX) - Middle School
- Technology Student Association (TSA) - High School
- Association of IT Professionals (AITP) – College.

Provide online access to consistent IT career resources and vocational opportunities focused on graduation, occupational credentials, and entry level IT jobs.

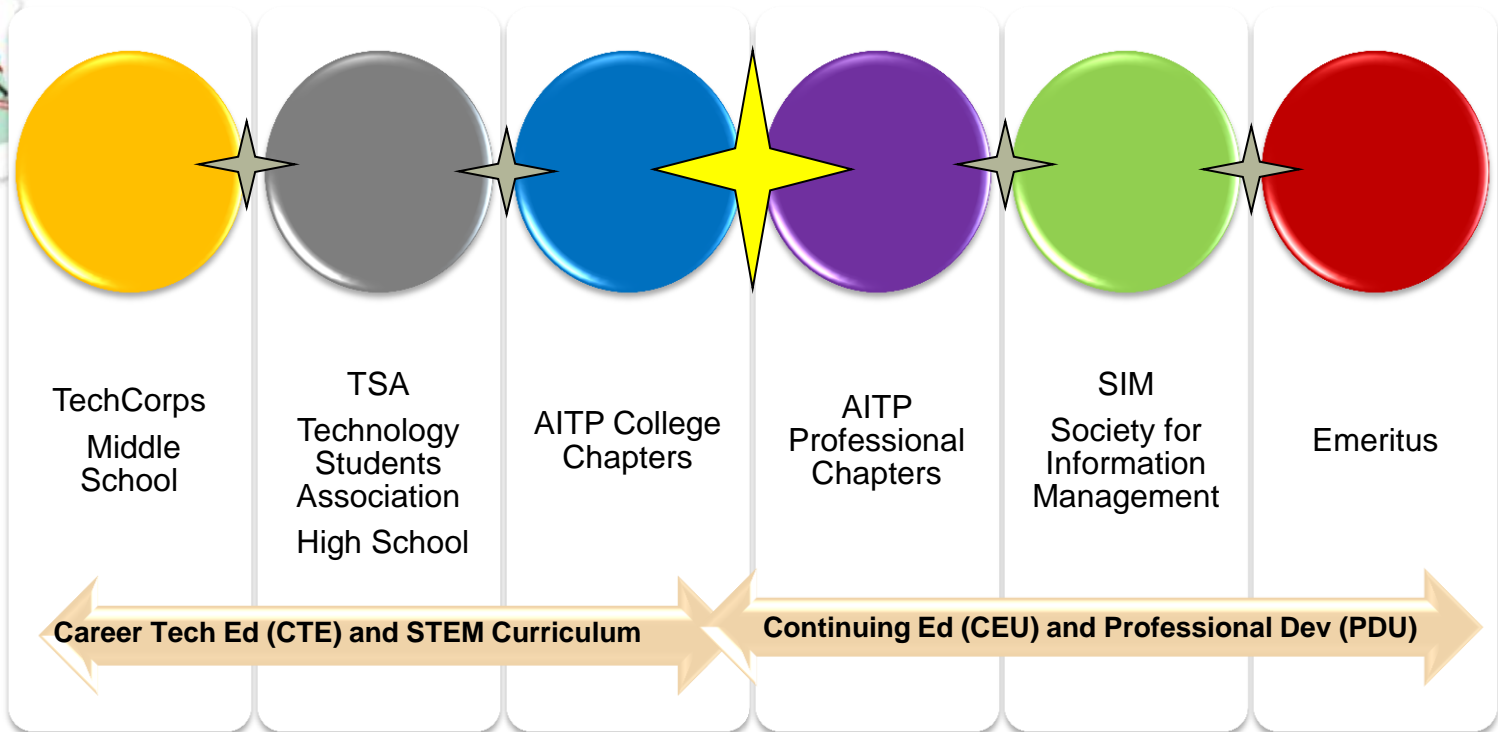
- Define IT industry workforce readiness standards and skill requirements
- Identify and make available on the web IT vocational opportunities and mentors throughout the pipeline
- Facilitate the transition from middle school to high school to college with integrated student activities that develop “readiness” along the way.

Engage the IT industry in the creation of entry level jobs and internships.

- Reinforce the links between campus career centers and job recruiting with targeted programs:
 - *campus2careers*
 - *Job Connect*
 - *Internship.com*.

The IT Career Pipeline

An Affiliation Focused on the Education and Career Transition Points that Sustain IT Industry Awareness and Engagement





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Hi my name is Travis...The perfect job I would love to have is a software engineer. The number one reason why I would want to have this job is because I love building. I have been interested in constructing stuff all my life and now I'd love to learn how to build software.

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TECHNOLOGY STUDENT ASSOCIATION

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OUR STORY

OUR MISSION

TSA FACTS

MOTTO & CREED

Our Story

150,000 middle and high school students nationwide aspire to be future engineers, scientists and technologists through the Technology Student Association.

[LEARN MORE](#)

WHAT'S NEW

- 1 Acquisition of TEAMS/UNITE
- 2 Fall 2011 School Scene
- 3 Official Blue Shirt

NATIONAL CONFERENCE

Nashville, Tennessee
June 21 - June 25, 2012

[Information](#)[Competitions](#)

JOIN

TSA membership offers exciting opportunities for competition and leadership.

[LEARN MORE >](#)

COMPETE

Compete in animatronics, dragster design, video gaming, flight challenge, and more.

[HIGH SCHOOL >](#) [MIDDLE SCHOOL >](#)

LEAD

Learn a variety of leadership skills like critical thinking and problem solving.

[LEARN MORE >](#)

Science, Technology, Engineering, Mathematics



TSA members gain career awareness skills in Science, Technology, Engineering and Mathematics (STEM) through related competitions integrated into classroom and chapter activities.

[READ MORE](#)

National TSA Officer Blog

**October, 2011**

Hello there! First off, I would like to advise you to read each officer's blog ...

[READ MORE](#)

Partnerships



Countdown – 2012 National TSA Conference



252 days until the
2012 National TSA Conference

Featured Member

Calera High School (Alabama) TSA Students Impress Congressman With Class Project

[READ MORE](#)[View Past Featured Members](#)

MANAGE MY TSA

State & Local



SHARE



SHOP

TSA Store



SUPPORT

Champion Fund



Technology Student Association

1914 Association Drive
Reston, VA 20191-1540

Phone: 703.860.9000
Toll Free: 888.860.9010
Fax: 703.758.4852

[EMAIL US](#)



We are gearing up for our IT Symposium on November 4th. Hope you're excited!



[Click here to register for the Samsung 2011 IT Symposium](#)

what is aitp

The Association of Information Technology Professionals is an organization that has kept pace with the changing needs and interests of the IT industry. It is a group composed of IT professionals, students, and numerous volunteers scattered across all fields, professions, and regions that have one goal: the advancement of individual growth through networking and mentoring to promote creativity in the IT world.

who is texas state aitp

Texas State AITP encapsulates the core values of AITP and reproduces the same high level benefits that are gained at a national level. As a student chapter, we urge our members to utilize every tool that is available to help propel us through our educational career and help our transition into a professional career. When we are not busy putting together events such as our annual IT Symposium or preparing for regional and national competitions, our officers and

2011 AITP Region 3 Conference

October 22, 2011



Each Student Organization Develops “Readiness”

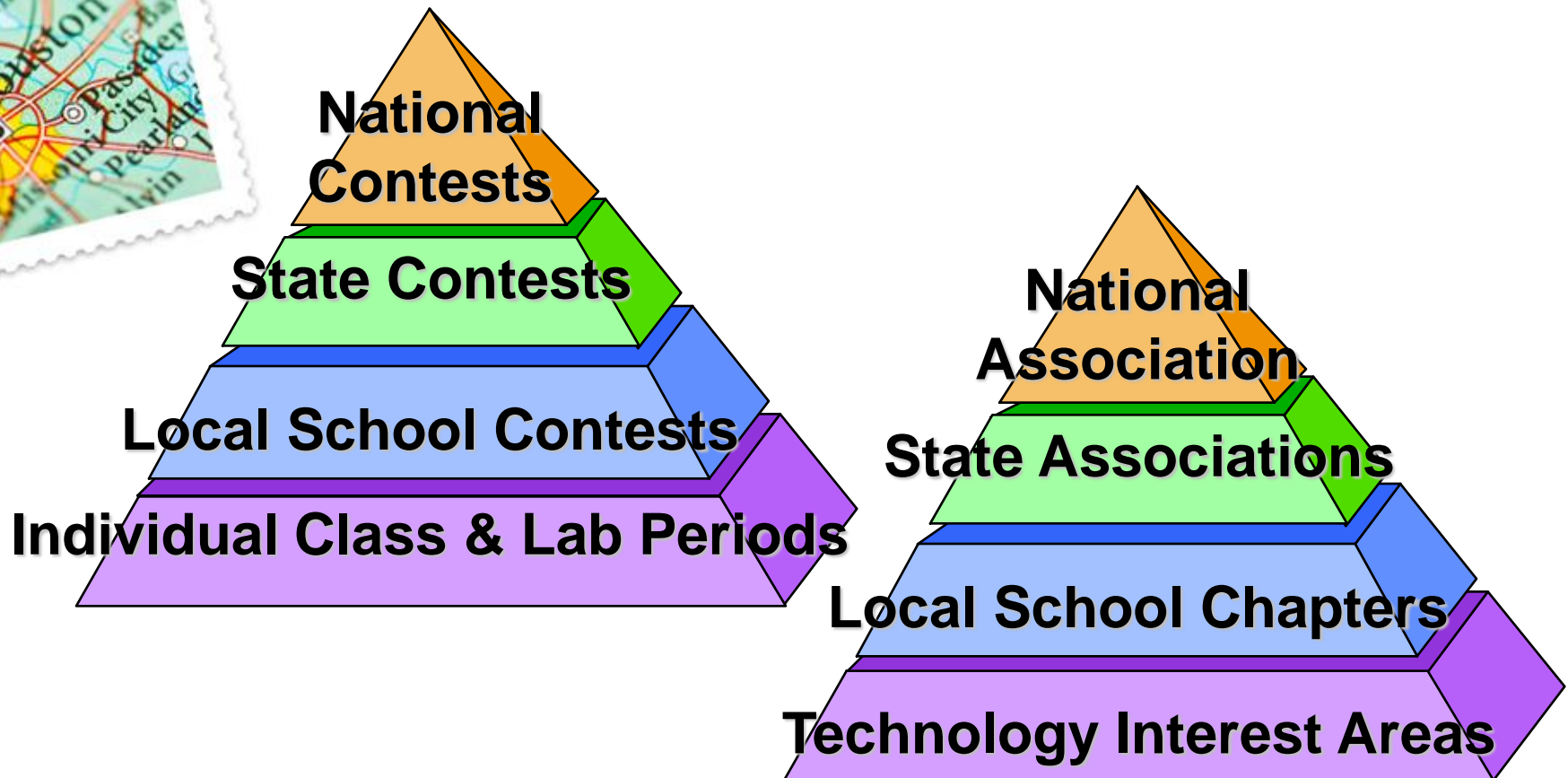


- Self motivation to succeed
- Tested technical competencies
- Responsibility & Ethics
- Leadership
- Communication skills
- Teamwork – Project Mgmt
- Community involvement

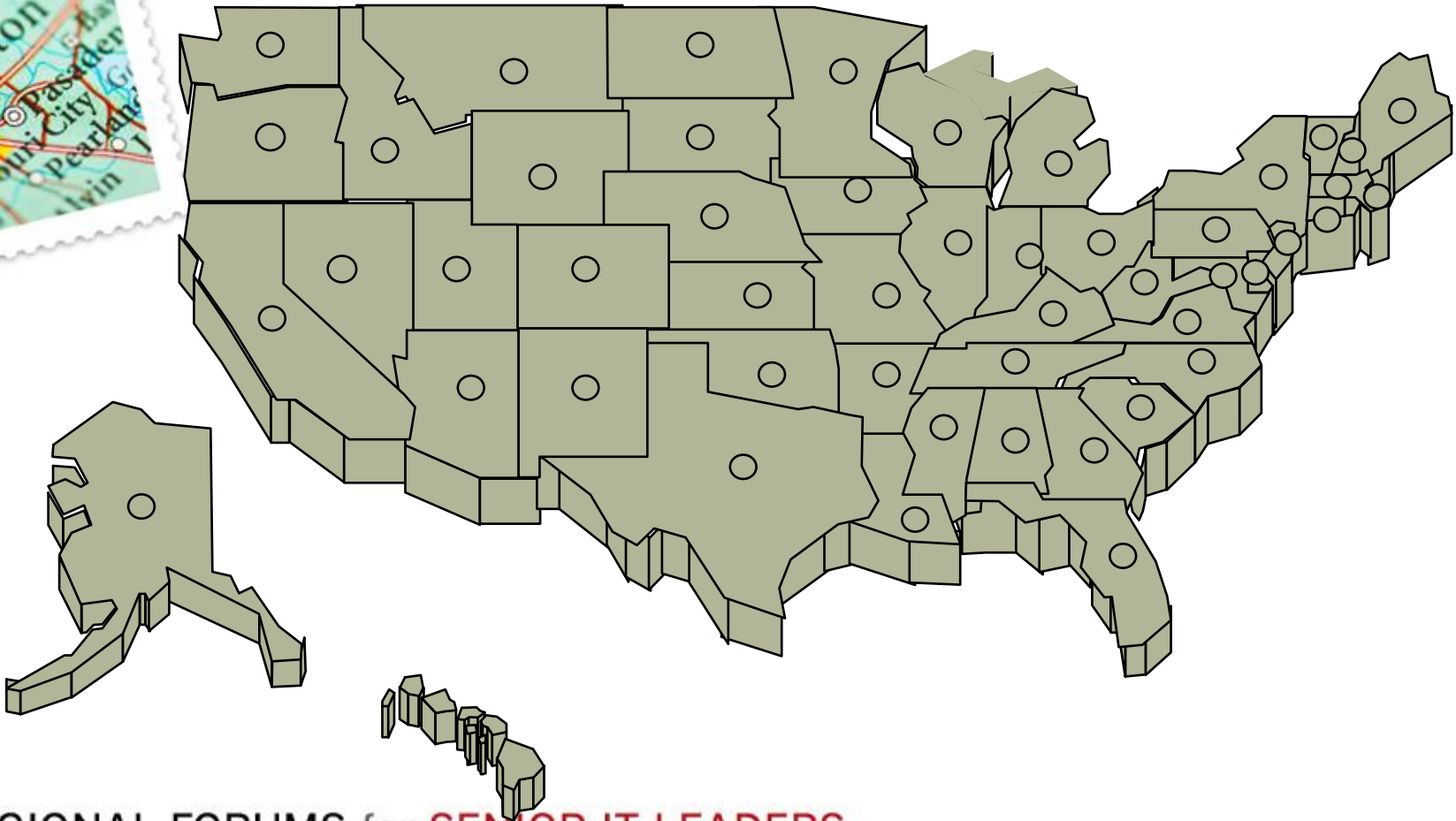
... And proven to increase rates graduation through High School and onto College through a more work based education model

Harvard Graduate School of Education, Pathways to Prosperity Project Report, February, 2011

Each Student Organization Provides a Consistent Structure and Focus



Affiliate the National Organizations and target the state and local Student Chapters for implementation



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Join Now

or see how it works

Employers

Students

What is campus2careers?

campus2careers is the first online career community that matches students and recent grads with small and medium-sized businesses (SMBs) for internships, entry level jobs and more. More than a job board, campus2careers uses preference and skills-based matching, enhanced filters, and rich digital profiles so companies can source, screen and select talent without leaving their office. campus2careers moves on-campus recruiting online. [Learn more »](#)



Why campus2careers?

Small/ Medium-Sized Businesses

- Find energetic educated talent for entry-level jobs and internships
- Save significant time and money in recruiting

College Students/Recent Grads

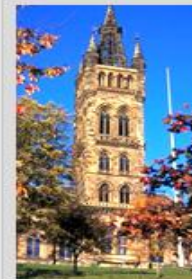
- Access to hidden jobs and internships at organizations that don't recruit on campus
- Ability to find opportunities as unique as you



“ Thanks to campus2careers, I found a great job with a small business in town where I can make a difference
Day 1 ”



“ I used campus2careers to find an intern for my growing business and plan on bringing them on full-time after graduation ”



“ campus2careers gives our students access to hidden jobs from companies who don't recruit on campus ”

COMMUNITY SEARCH

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FEATURED MEMBERS

Barbara Viola



Newly Elected
2012 Secretary

Student Chapter: Texas State University San Marcos

GROUP PAGES + DIRECTORY & FEATURES



Your Texas State AITP encapsulates the core values of AITP and reproduces the same high level benefits that are gained at a national level. As a student chapter, we urge our members to utilize every tool that is available to help propel us all through our educational careers and help our transition into our professional careers.

Enter Chapter Site

Attention Central & South Texas High School IT Students:
Plan on attending the Samsung 2011 Texas State AITP IT Symposium!



GROUP FEED

Doug Fogle wrote on the Student Chapter: Texas State University San Marcos wall: Texas State AITP will be attending the AITP Austin chapter meeting this week. Hope you can join us!
Posted Tuesday, May 24, 2011

Doug Fogle wrote on the Student Chapter: Texas State University San Marcos wall: Have a wonderful summer!
Posted Tuesday, May 24, 2011

Doug Fogle registered for the event Texas State AITP Alumni Banquet.
Posted Friday, March 25, 2011

Doug Fogle wrote on the Student Chapters: Texas State University San Marcos wall: The new AITP portal is sweet!
Posted Friday, March 25, 2011

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010-President
Clint Rasmussen

020-Vice President
Benjamin McClelland

103-Treasurer
Megan Hinojosa

104-Secretary
Robert E. Forger

107-Director
Jack Chen

107-Director
Antonio Duran

107-Director
William Prevost

108-Faculty Advisor
James R. Cook

108-Faculty Advisor
Kevin J. Jetton



MEMBER LOG IN

Username

Password

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Forgot your password?

Haven't joined AITP yet?

LATEST NEWS

MORE

10/11/2011
9 Ways to Resolve Customer Problems

10/10/2011
State Farm Opens Coding Competition to AITP Students – Register by Noon Oct 15

10/7/2011
What to do When There's a Mistake in Customer Service

UPCOMING EVENTS

MORE

10/19/2011 » 10/20/2011
Fall 2011 Region 5 Conference

10/20/2011 » 10/22/2011
Region 3 Student Conference

10/25/2011
2011 October Virtual Watercooler

10/26/2011
2011 October ABoD Meeting

11/16/2011
2011 November ABoD Meeting

ONLINE SURVEYS

Members

Sign in for exclusive access to newsletters, whitepapers, research, multimedia education, RSS feeds, discussion forums, and more.

New to SIM?

Learn more about what SIM can do for your career and your organization, find a chapter near you, or **apply for membership** today.

Giving Back - SIM Community Outreach

SIM Chapters across the nation are helping to fulfill an important part of the SIM mission by funding college scholarships, providing grants to technology training programs and making donations to various charitable causes. **Read More.**

SIM Connect – a Weekly News Brief

SIM's weekly e-newsletter, *SIM Connect*, delivers a highly-informative e-news brief that provides the most relevant business and technical industry content to your inbox each and every Wednesday. **To subscribe or view a recent issue, click here.**

SIM Announcements

- Please take a few minutes to complete our **2011 SIM Member Satisfaction Survey**. Your views are very important to us - we will use the results of the survey to help us improve the services we provide.
- SIM's **Advanced Practices Council** recently released it's latest report, "Realizing Business Value from Tablets." Free to SIM members, this report describes a structured way for identifying and developing business applications for tablets. **Download now.**
- **Register for the upcoming APC Webinar: Framework for Managing the Social Media Portfolio**
November 7, 1:00 p.m. EST - Complimentary for SIM members

Regional Leadership Forum

2012 RLF Registration NOW OPEN!

Advanced Practices Council

Leading-edge practical research.

SIMposium 2011

November 12-15, Orlando, Florida

Join us for *SIMposium 2011* on November 12-15 at the Hilton Bonnet Creek in Orlando Florida.

Registration is now open for *SIMposium 2011*.

Follow Us On...



Follow SIM on Twitter, LinkedIn and YouTube to stay connected with the SIM community.

SIM iPhone App

Are you an iPhone user? Download the new **SIM app** and stay connected with the SIM community wherever you go. The SIM iPhone app can be found by searching 'Society for Information Management' in your iPhone app store.

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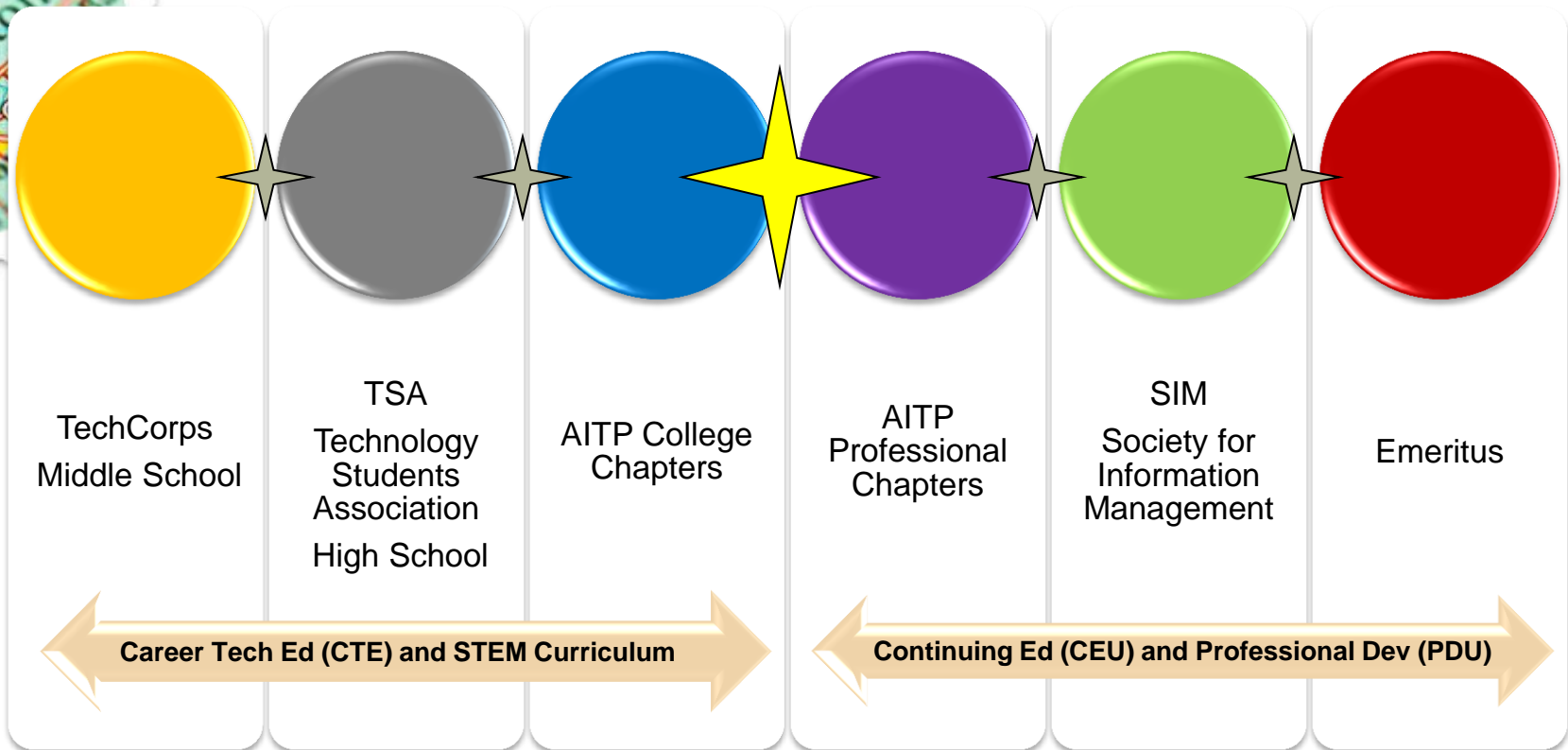
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11/12/2011 » 11/15/2011

**SIMposium 2011 - Orlando, FL. -
Nov. 12-15**

The IT Career Pipeline

An Affiliation Focused on the Education and Career Transition Points that Sustain IT Industry Awareness and Engagement



Make a Difference...Participate...



- 1. Give me your business card**
- 2. Contact me - eric.hungate@tasb.org**
- 3. Take my business card with you**
- 4. Contact me at www.aitpaustin.org**