

SIX CHIX

BY RINA PICCOLO



Being a Software Quality Professional

ASQ Software Special Interest Group
January 23, 2007

Taz Daughtrey
James Madison University

Photo # NH 96566-KN First Computer "Bug", 1945

92

9/9

0800 Antam started
 1000 " stopped - antam ✓
 13⁰⁰ (032) MP - MC ~~1.552647000~~ { 1.2700 9.037 847 025
 (033) PRO 2 2.130476415 (2) 4.615925059 (-2)
 con'd 2.130676415

Relays 6-2 in 033 failed special speed test
 in relay .. 11.00 test.

Relay
 2145
 Relay 3376

1100 Started Cosine Tape (Sine check)
 1525 Started Multi-Adder Test.

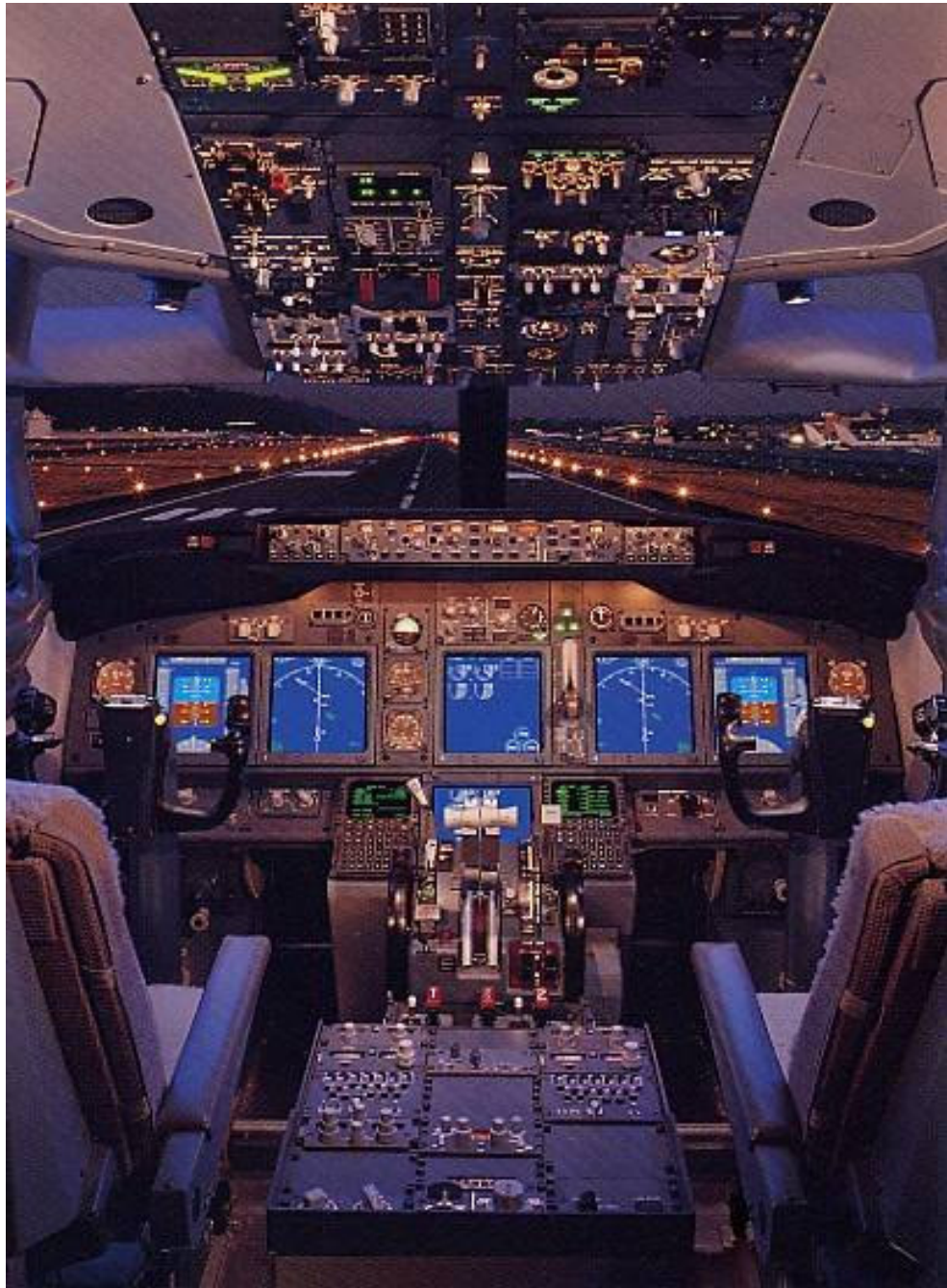
1545



Relay #70 Panel F
 (moth) in relay.

1630 antam started.
 1700 closed down.
 First actual case of bug being found.

















Assurance of quality

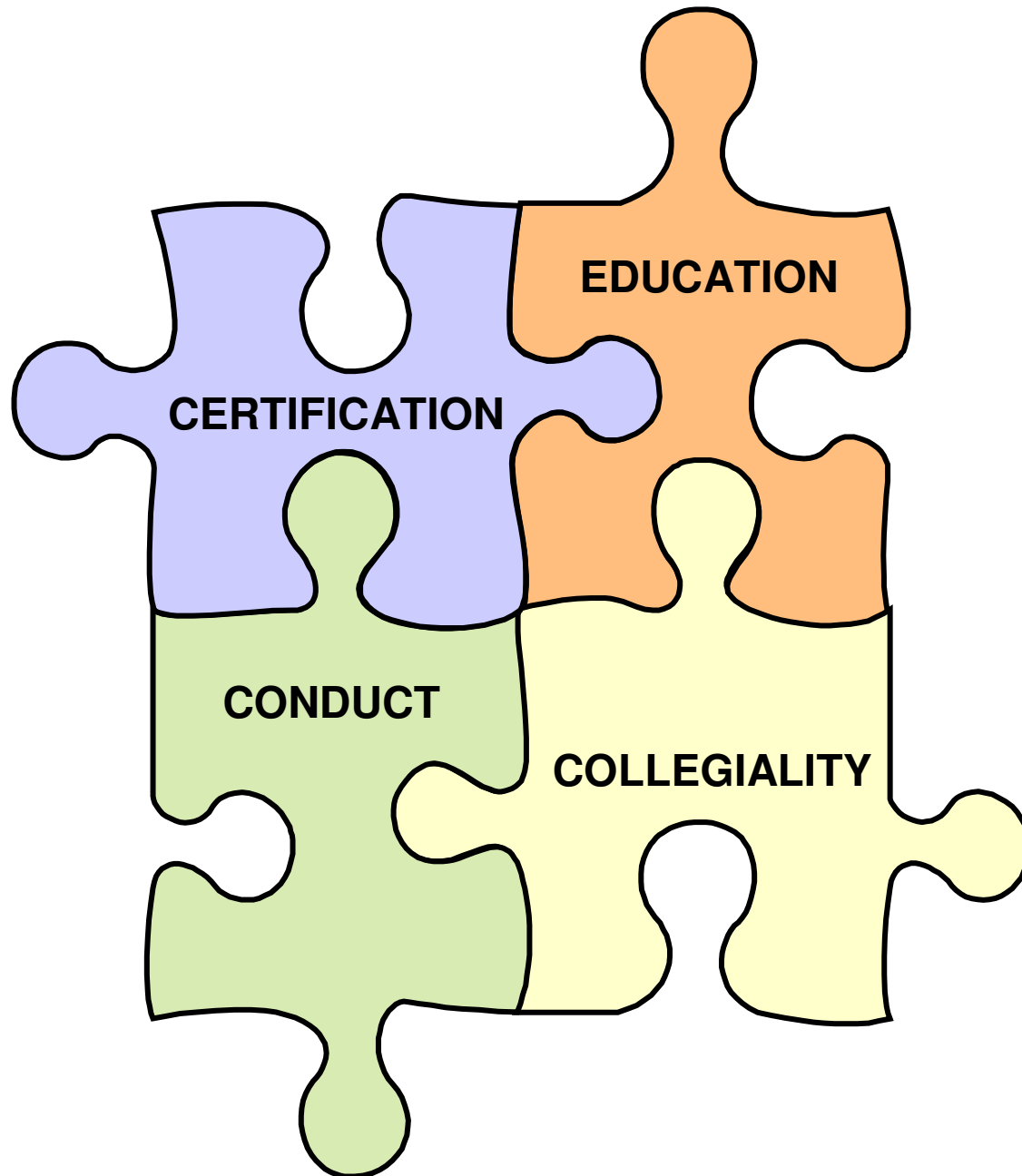
It's all a “confidence” game.

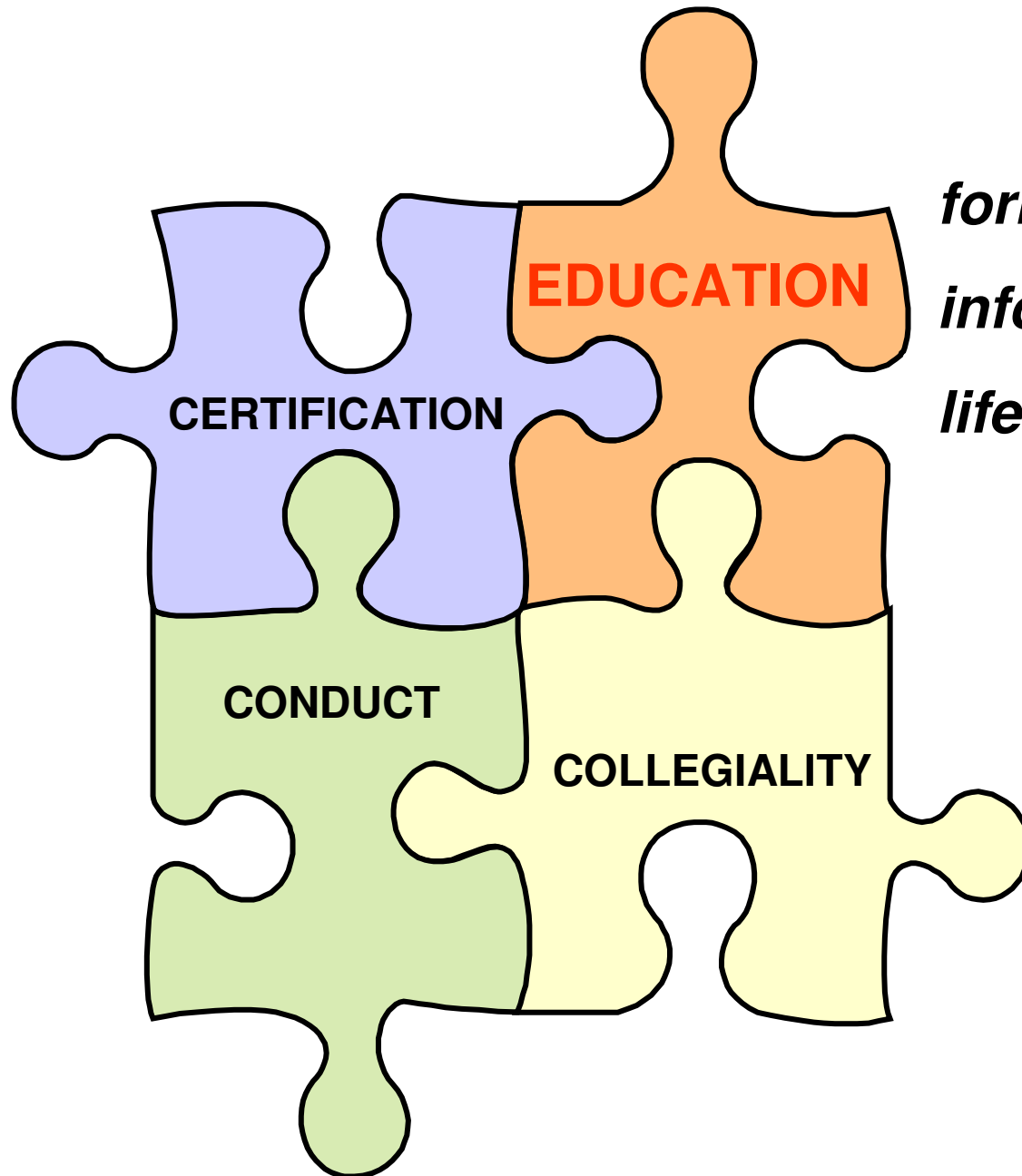
Providing adequate confidence that ...

... product requirements are being satisfied.

... process plans are being actualized.

... stakeholders' interests are being honored.





formal

informal

lifelong learning

awareness

training

education



awareness

*“This is an
iceberg.”*

*“Avoid
icebergs.”*

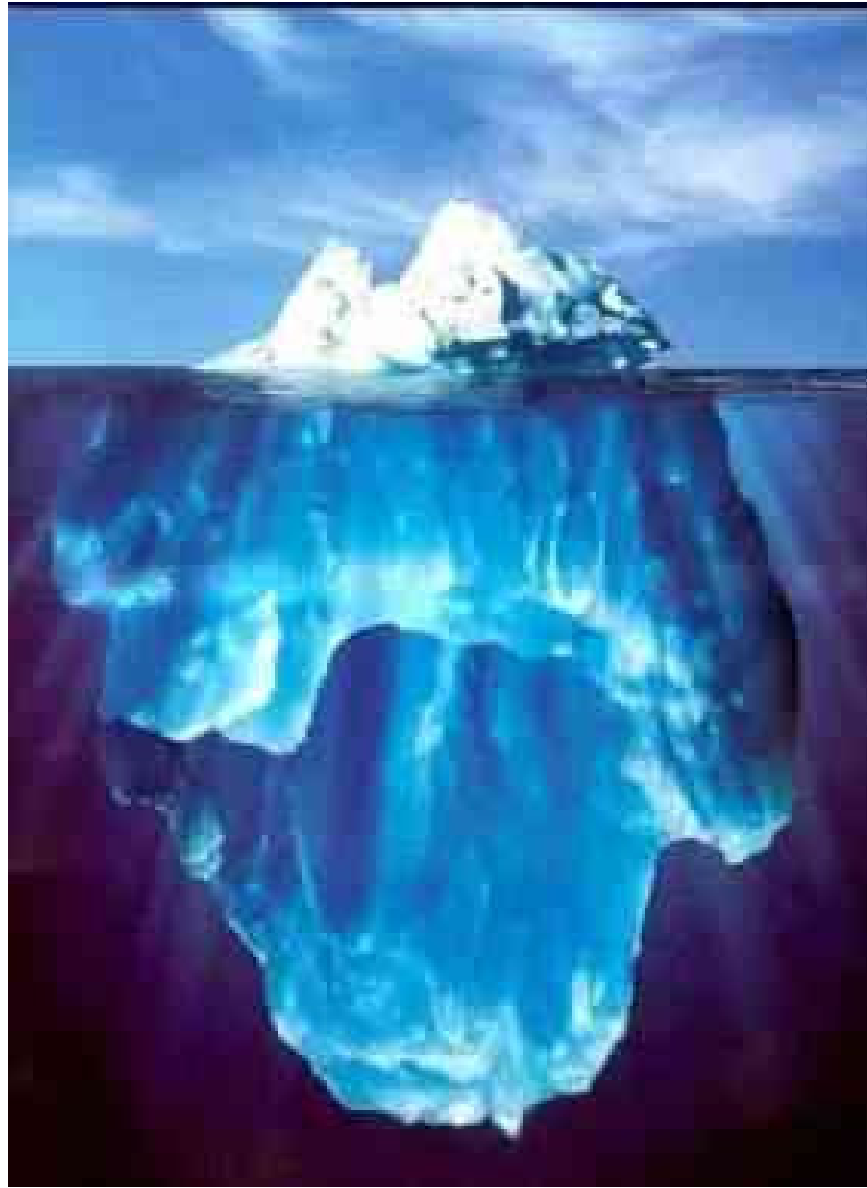


training
“Whenever sailing farther north than [specific latitude] during [specific months of year] be sure to check radar for icebergs.”



education

“In addition to being navigational hazards, icebergs could be a source of fresh water if towed to dry climates.”



Software Development



[Building Software Quality Skills](#)

[Software Auditing](#)

[Software Auditor Skills](#)

[Software Configuration Management](#)

[Software Functional Testing](#)

[Software Metrics](#)

[Software Peer Reviews](#)

[Software Project Management](#)

[Software Quality Engineering](#)

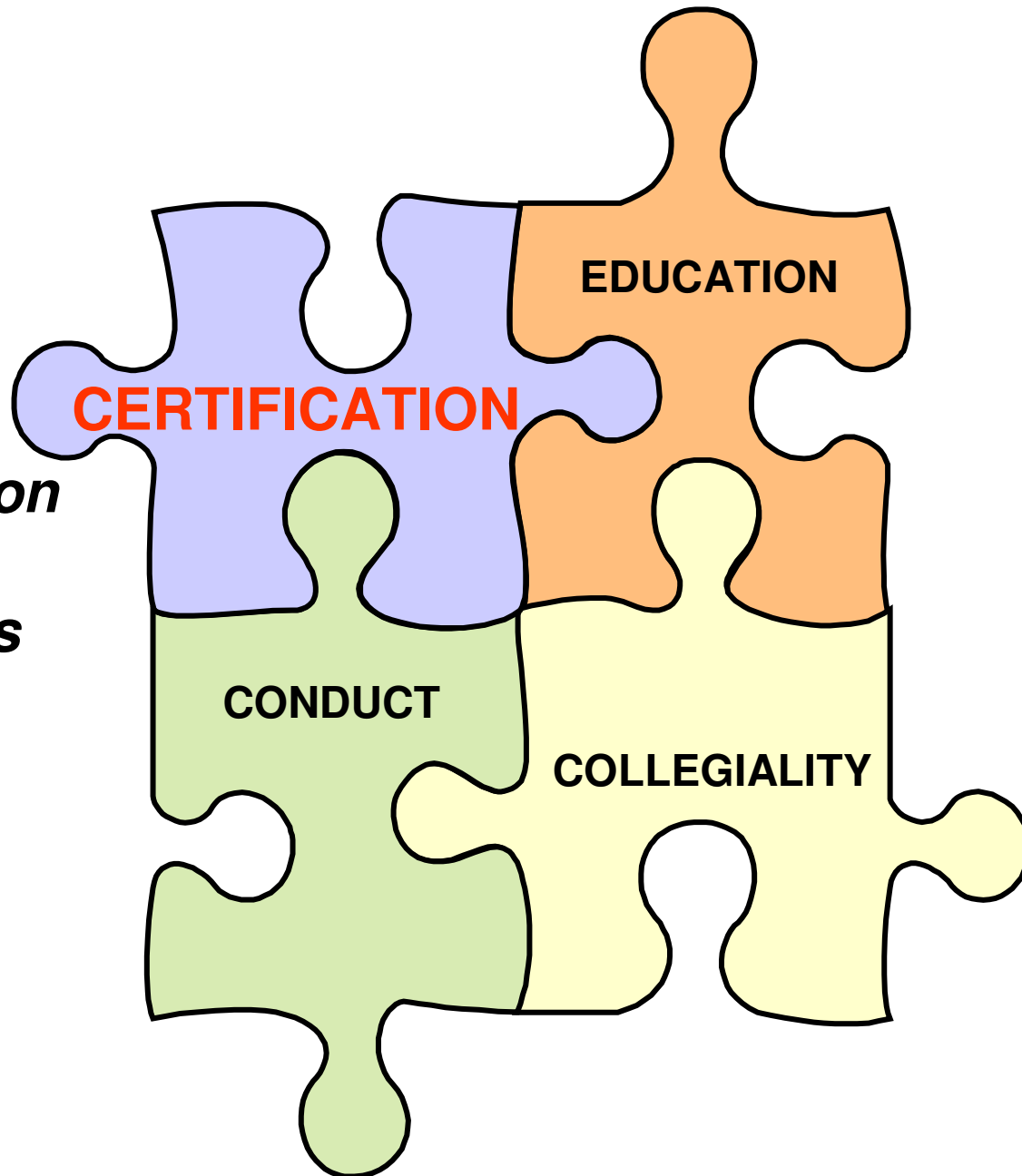
[Software Requirement Engineering](#)

[Software Risk Management](#)

[Software Structural Testing](#)

[Software Testing and Test Management](#)

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*recognition
against
standards*

Certified
Software
Quality
Engineer

CSQE Body of Knowledge

- General Knowledge, Conduct and Ethics
- Software Quality Management
- Software Engineering Processes
- Program and Project Management
- Software Metrics, Measurement and Analytical Methods
- Software Verification and Validation
- Software Configuration Management

Software Quality Professional

Knowledge-based software quality assurance
for complex systems development
2008-2010
3000 hours

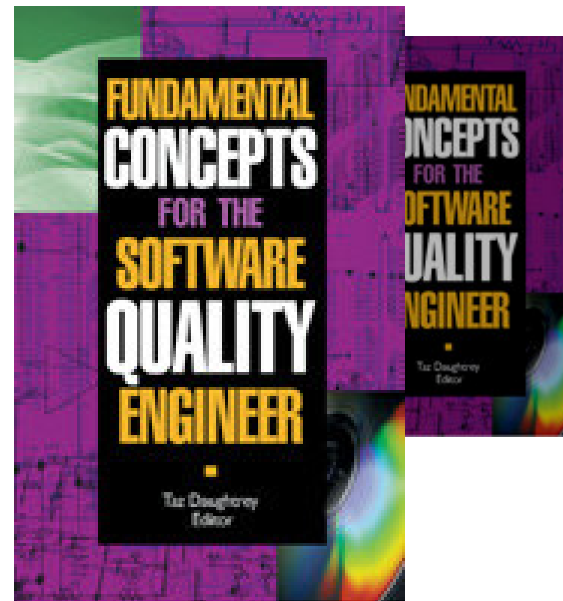
Requirements engineering, test management,
test automation, test strategy, test execution,
test results analysis

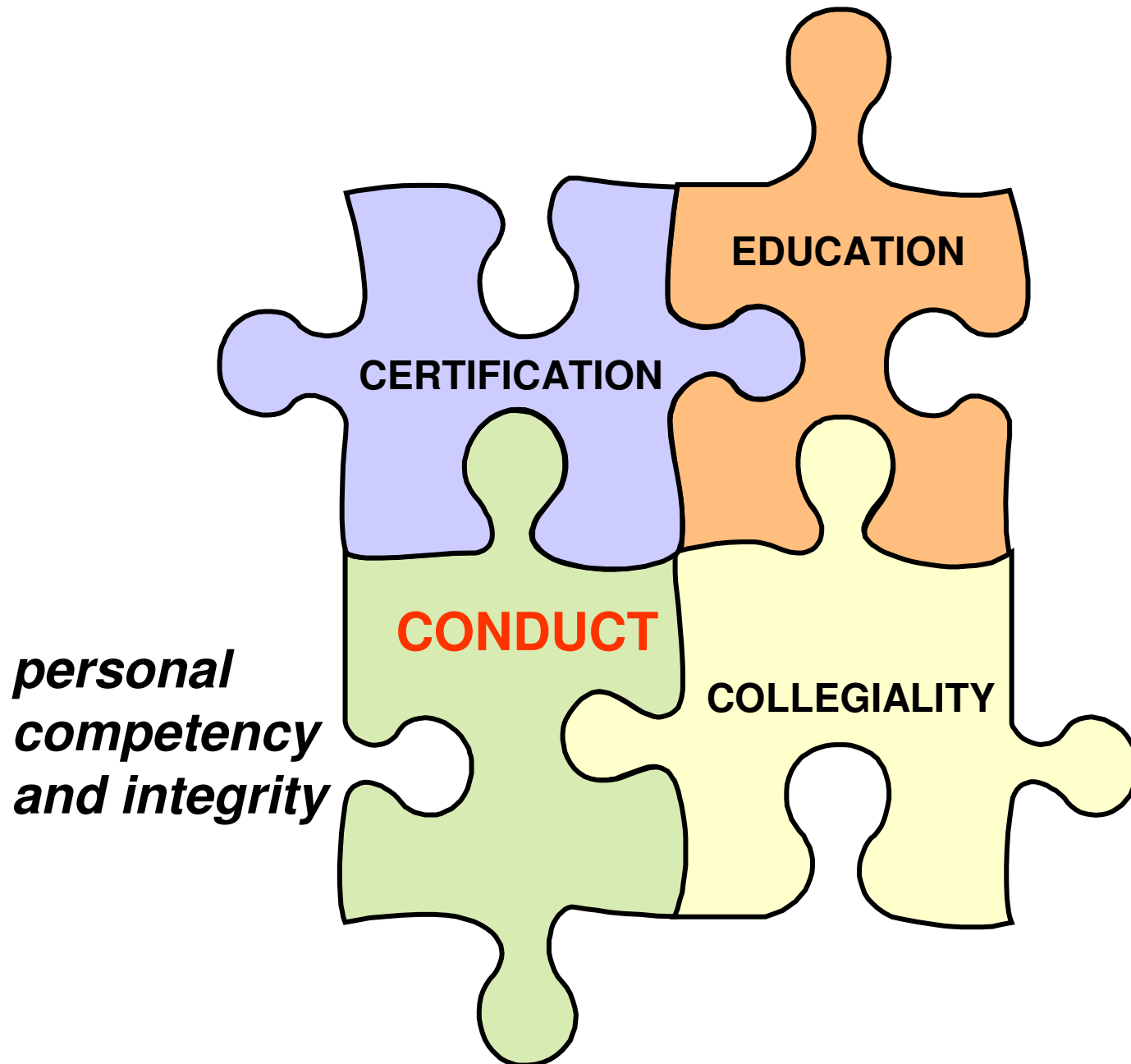
ISO 9001:2008, ISO 14001:2004
Certification

10 years of experience in software quality assurance
software development
test & test automation
certification



ISPT
1971
www.ispt.org





Software Engineering CODE OF ETHICS AND PROFESSIONAL PRACTICE

- 1 PUBLIC**
- 2 CLIENT AND EMPLOYER**
- 3 PRODUCT**
- 4 JUDGMENT**
- 5 MANAGEMENT**
- 6 PROFESSION**
- 7 COLLEAGUES**
- 8 SELF**

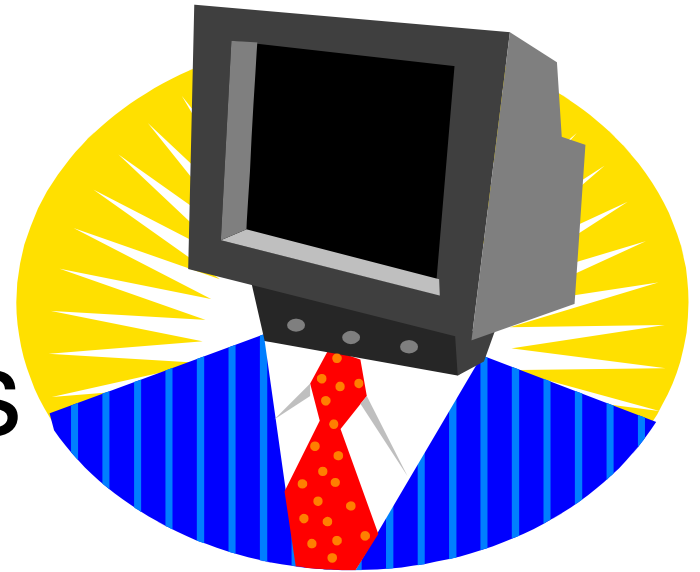
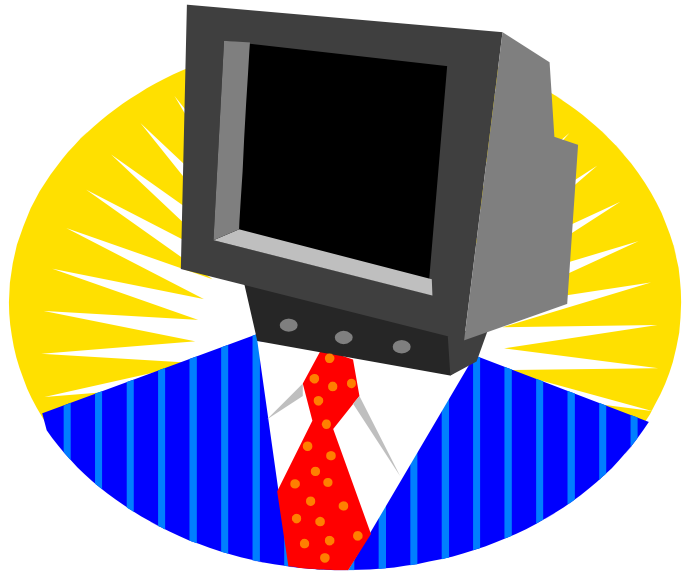
<http://www.computer.org/tab/seprof/code.htm>



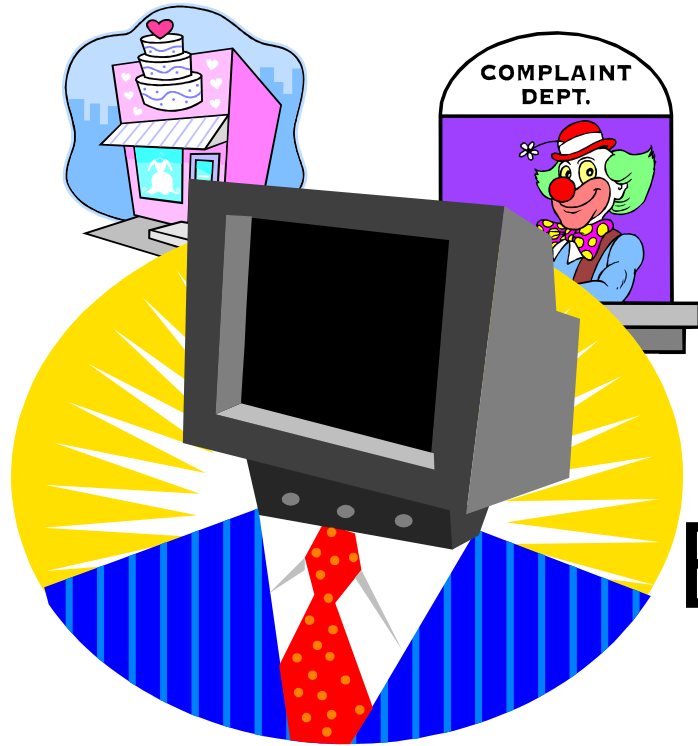
With
Whom
Would
You
Do
Business
?



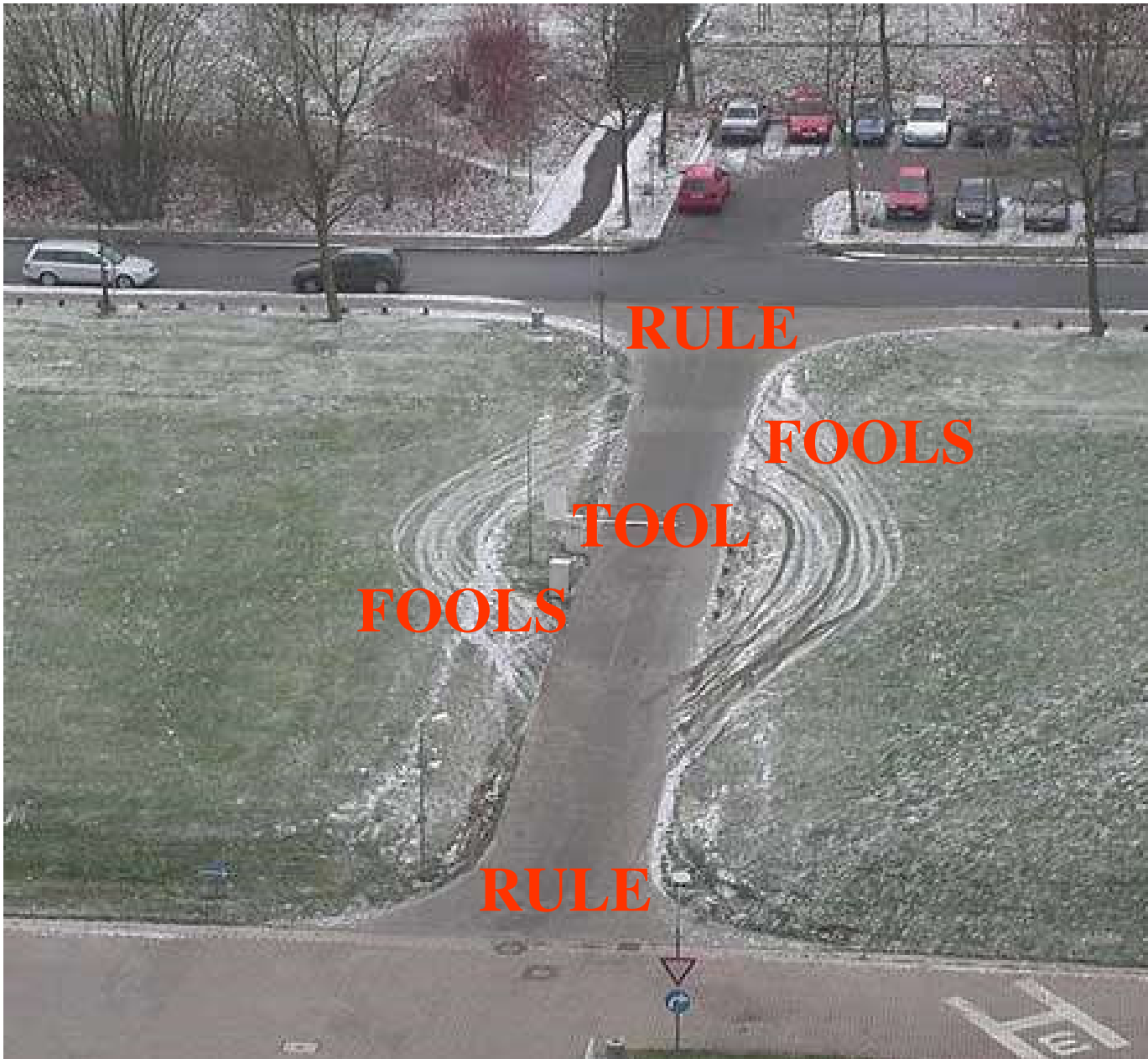
With
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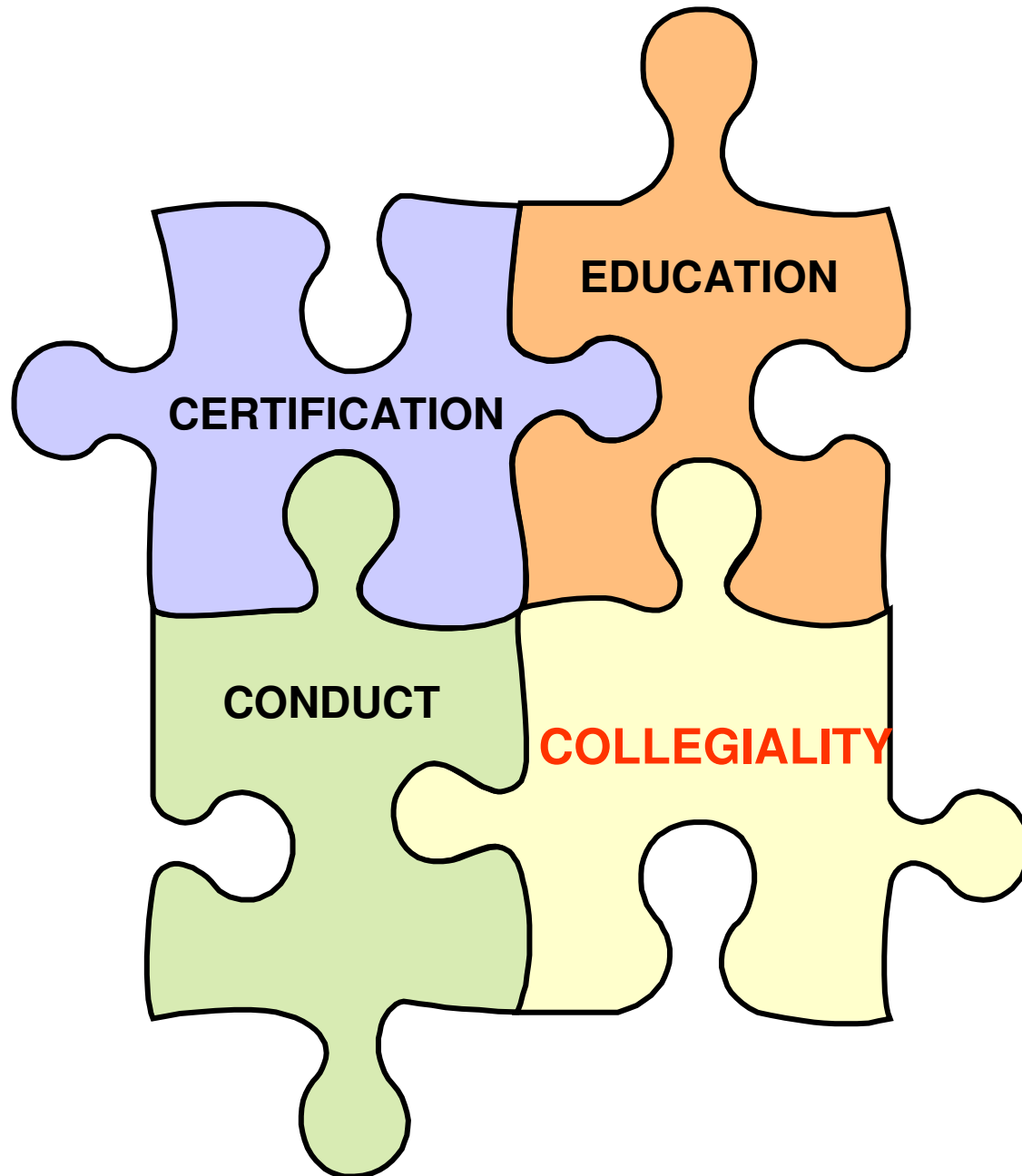


With
Whom
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Do
Business
?

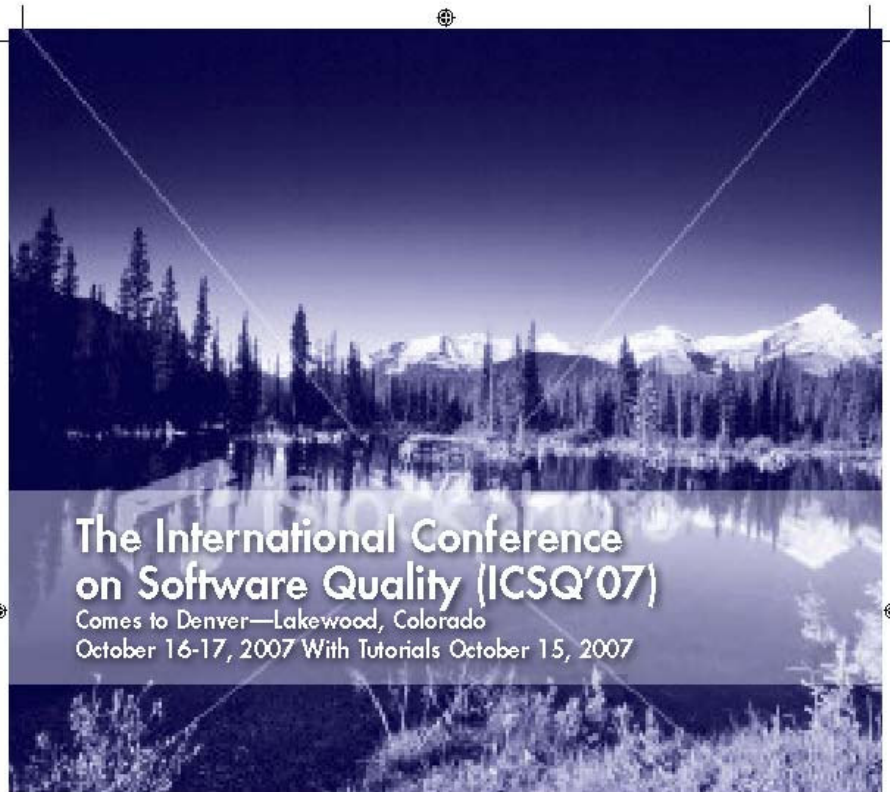








*playing well
with others*



The International Conference on Software Quality (ICSQ'07)

Comes to Denver—Lakewood, Colorado
October 16-17, 2007 With Tutorials October 15, 2007

Do you have ideas to contribute? Please e-mail: theresahunt@westfallteam.com

Details will soon be posted on the ASQ Software Division Conference Web site at <http://www.asq.org/softwareforum/conferences/index.html>. Mark the site and check back often for updates including tutorial and technical program schedules.

Our ICSQ core planning committee and their ICSQ positions this year:

- Sue Carroll – ICSQ'07 Tutorials Chair
sue_carroll@bellsouth.net
- Doug Hamilton – ICSQ'07 Technical Program Chair
douglas.b.hamilton@aazenline.com
- Valis Houston – ICSQ'07 Marketing Chair
valis@aacaa-software.com
- Theresa Hunt - ASQ Software Division Vice Chair – Programs: theresahunt@westfallteam.com
- Granville Jones – ICSQ'07 Conference Chair
granville-jones@comcast.net

WE LOOK FORWARD TO SEEING YOU AT ICSQ'07.

Priority Code: SWAAB67



World

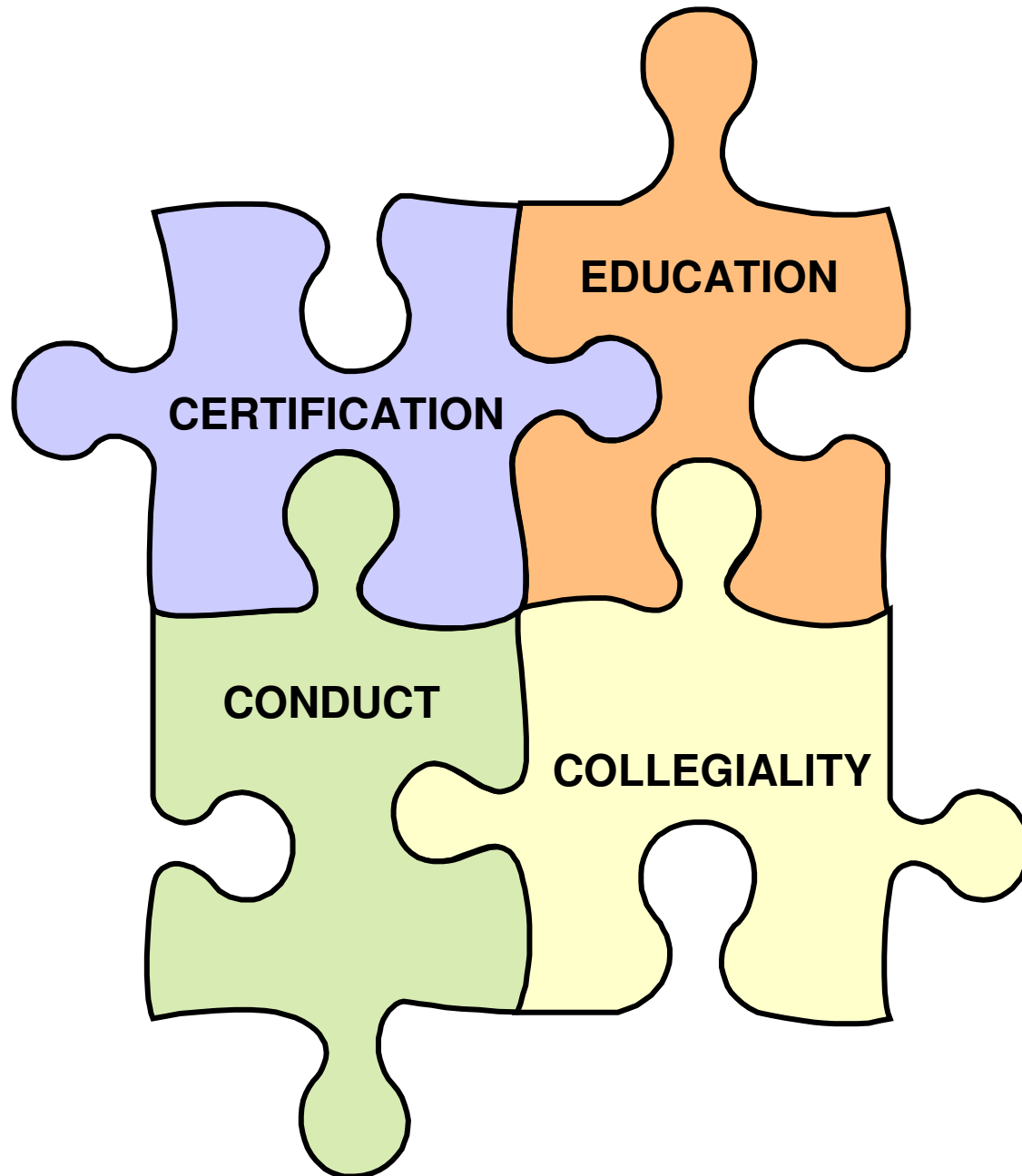
Congress for

Software

Quality

**Northern
Virginia**

**September
2008**



Being a Software Quality Professional

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