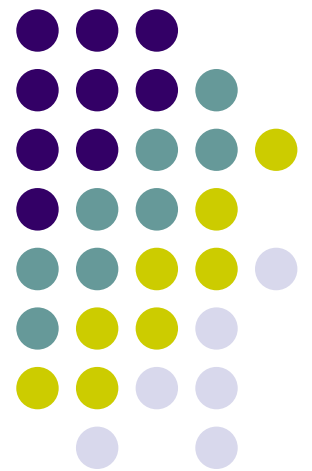


# SeaSpin

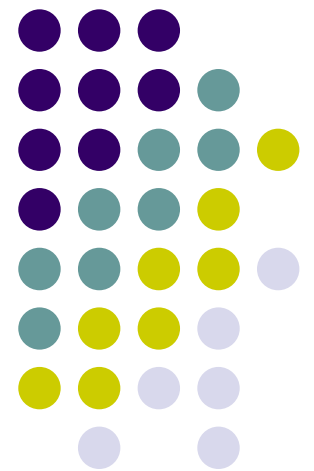
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**SPI News**  
**SeaSpin Business**



# SeaSpin

**Latest in Software  
Process Improvement**





# No Copper Bullets

- Less emphasis that process solves everything
  - Process is still pretty cool though
- More focus on results
  - Don't measure process compliance, measure if you are doing the right thing
    - Implies multiple scales
- Start process improvement by focusing on quality



# CMMI Gets Tough

- New requirements for level 4 & 5 appraisers
  - New oral exam
- Must have areas for public declaration of maturity level
  - No longer can have multiple levels deemed not applicable
- Public appraisal only good for three years
- Detail of *Capability* as well as *Maturity* on web site



# Agile Out? Lean In?

- Several SEPG presentations featured the word Agile
  - Most had no clue what Agile meant
- The use of the word Lean outshone Agile by at least a 3:1 margin
  - People seemed to get the Lean concept better than Agile



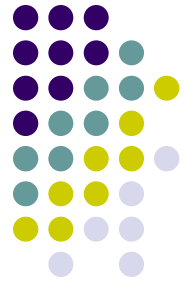
# Requirements Stay Difficult

- Very few presentations ventured into this territory
- One-half day tutorial was *really* bad
  - $\frac{3}{4}$  of attendees left at the break
- Requirements still top lists of software project problem areas
- People still willing to pay big bucks for requirements traceability tools

# Risk Management Getting Hot



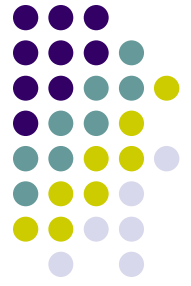
- One new vendor and two expanding vendors into this space
  - SEER is adding risk exposure to their estimation tool to come up with multiple estimates
    - “Should take”
    - “Could take”
- Several presentations to on top risk and mitigation format



# ROI of SPI by SEI

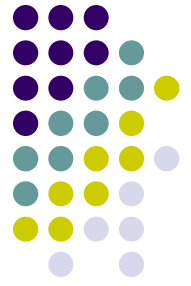
- As of August 2006
  - Improved cost 34% med, 3%-87% range, 29 data points
  - Improved schedule 50% med, 2% to 95% range  
22 data points
  - Improved productivity 61% med, 11% to 329% range  
20 data points
  - Improved quality 48% med, 2% to 132% range  
34 data points
  - Improved customer satisfaction 14% med, -4% to 55%  
range, 7 data points
- Overall ROI for SPI is 4:1 median, 1.7:1 to 27.7:1  
range, 22 data points





# Process Whisperers

- Every organization doing SPI want to imitate somebody else
  - Innovators don't do SPI
- Job of “consultant” is to give confidence that the recommended course is a good one
- Must know the goal of the target, ask him/her!
  - What company do you like a lot?
- Focus only on that goal
- Be assertive that the choice is good



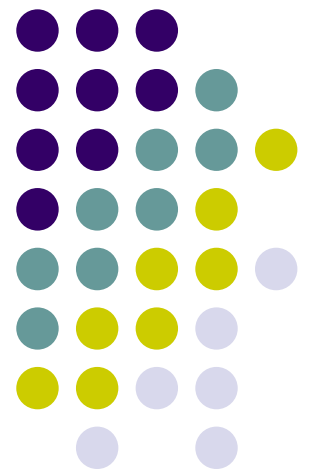
# Giving Defects the 3<sup>rd</sup> Degree

- Use defect data to create a lot of graphs to see what they tell you
- Use multiple levels of composition/disaggregation
- Use control charts on defects
  - The patterns can tell you that things happened
- Get data from customer defects, system test, unit test, peer reviews
- At least disaggregate by severity levels
  - Example, too many lows on peer reviews suggest wasting time on small things and not finding key defects
- Also, break down by component

# SeaSpin

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## SeaSpin Business





# SeaSpin Officers

- Chair (Earl Beede, current)
  - The chairperson will preside at regular meetings of SeaSpin and at meetings of the steering committee, will be responsible for the duties of other officers in the event of their absence or incapacity, until they are replaced by the steering committee, and will be the point of contact for other organizations, including SPINs.
- Vice Chair (Steve Poole, current)
  - The vice chairperson will assist the chairperson in presiding over SeaSpin and will assume the duties of chairperson upon their request, absence, or incapacity.
- Secretary (Jeanne-Anne Jensen, current)
  - The secretary will be responsible for recording the minutes of all steering committee meetings and disseminating all SeaSpin correspondence. The secretary will send out an email announcing the SeaSpin meetings and will maintain the SeaSpin distribution list.



# Officer Elections

- Names submitted today
  - Your name or somebody else's
- Contact will be made that nominee is willing
- Brief bio and ballot will be sent to all members of the email list
- Balloting closes at the May meeting
  - Can vote by email
- Announcement made via email



# Other Roles

- Construx liaisons (our sponsor)
  - Earl Beede
  - Pam Perrott
  - Jerry Deville
  - Steve Tockey
  - Paul Donovan
- Other?



# Meeting Format

- Currently monthly meeting
  - Except July, August, December
  - Jan/Feb are meeting day is typically a minor holiday
- Other SPINs meet on various schedules
  - Atlanta: Every month
  - Philadelphia: Every other month
  - Austin: Every three months
- Can make forum (discussion) / blog software available

# Committees



- Program
- Others?





# Potential New Web Site

- Demo
- Email list migration