Welcome to the First Issue of the SPIN Newsletter

Welcome to the first issue of the SPIN Newsletter, a quarterly publication that includes information highlighting you—the global community of SPIN members! Every three months, SPIN Coordinators will receive a downloadable PDF via email that they can distribute. The SPIN Newsletter will also be posted on the SPIN Web site (www.sei.cmu.edu/go/spins). Share this newsletter with fellow chapter members and post it to Web sites and blogs as well. Know someone who is interested in starting a SPIN? This issue includes interviews with Judah Mogilensky and Stan Rifkin, two of the originating SPIN founders, and the challenges and successes they had in starting the first SPIN.

The SPIN Newsletter is a medium for the SPIN Community to share information. Each edition will include “SPIN This,” an interview with an individual SPIN member or members, “SPIN Spotlight,” an interview with a SPIN Chapter to highlight their activities. This month, we are featuring the Tampa Bay SPIN and their involvement with SEPG North America 2008 March 17-20. Lastly there will be a “Feature Article,” a technical paper that has been presented at SPIN meeting. This month we selected Nelson Perez and Ernest Ambrose’s Lessons Learned in Using Agile Methods for Process Improvement, which was published in the August 2007 issue of Crosstalk. If you have had a great presentation at your SPIN, let me know and I will include it in a later edition of the newsletter.

I hope that you enjoy reading each issue of the SPIN Newsletter. This publication is for you, if you have a suggestion for an article just let me know. As always, if there is anything I can do to help your SPIN, or if you have any questions regarding the work of the SEI, please contact me through the information presented on the left.

Thank you,
Shane McGraw
Where did it all start?

By: Shane McGraw

In the last 17 years, the Software and Systems Process Improvement Network (SPIN) has developed into a global community of 124 chapters covering six continents. The concept of bringing together a group of process professionals for an open exchange of ideas, information, and mutual support was born in the Washington, DC area where the first SPIN meeting was held in 1991. SPINs worldwide continue to identify and spread best practices in software and systems engineering. I recently caught up with two of the key individuals responsible for starting that first SPIN chapter, Judah Mogilensky and Stan Rifkin, to get their account of the challenges and successes they faced in starting the first SPIN. Here is what they recalled:

SEI: What caused you to organize the first SPIN?

Judah Mogilensky (JM): The annual SEPG North America Conference (www.sei.cmu.edu/sepg) is always a strong program, but it was looking for more as well. We had a local idea that we could meet and share our experiences with process improvement monthly like we did at the yearly conference.

Stan Rifkin (SR): There was some talk (in 1991) that there was not going to be an SEPG Conference (now SEPG North America) so we wanted to organize a local group that could meet and share experiences.

SEI: What role did you play in the Washington DC SPIN start-up?

JM: I was the facilitator in the visioning workshop. This is where we set the mission (which still is… A leadership forum for the free and open exchange of software process improvement experiences and practical ideas. We promote achieving higher levels of process maturity, software quality, and mutual respect. Our goal is to help sustain commitment and enhance skills through an active program of networking, publications, recognition of excellence, and mutual support) and vision of the Washington DC SPIN.

SR: I was responsible for arranging the program for our monthly meetings. We would plan events for up to one year. It was (and still is) a challenge on where to set the dial because people are at different levels of process improvement knowledge and in their needs. It’s never a static target.

SEI: How has SPIN helped in your career?

JM: Two ways. It helped me network through meeting and connecting with others working in process improvement. In my work, I am often invited to speak at SPIN meetings and it helps keep me up-to-date in my field.

SR: It gives me a chance to hear who I want to listen and learn from.

SEI: How are you involved in SPIN now?

JM: I attend SPIN meetings when my travel schedule allows. I also get invited to speak at various SPIN meetings.

SR: I consider myself a life-long volunteer of SPIN. Currently, I am the coordinator of the San Diego SPIN (http://www.sdspin.org/).

SEI: What advice do you have for SPIN Chapters today?

JM: Keep your program fresh and in-touch with the issues of today. Also, limit your organizational structure.

SR: Have no officers and no dues! Stay away from the money and stay focused on content. Some SPINs have large steering committees that meet once a month to discuss finances. We meet once a year and plan our whole year events because we do not have to worry about finances.

I extend my sincere thanks to Stan and Judah. They blazed a trail that many of us have benefited from! If you have questions for Judah or Stan, you can contact them at:

Judah Mogilensky: Judah@pep-inc.com
Stan Rifkin: sr@Master-Systems.com
In this first edition of the SPIN News-letter, we shine the SPIN spotlight on Tampa Bay. With SEPG North America 2008 coming to town in March, they have been busy preparing for the conference, reviewing abstracts, and spreading the word! I recently caught up with the members of the Tampa Bay SPIN Steering Committee to get a bit of their SPIN history, see how they run their meetings, and highlight some of their activities. The Tampa Bay SPIN Steering Committee is made up of the following members: Robert Shaw of Time Customer Service, Kristine Chapman of Nielsen Media Research, Scott Mandel of Raytheon, Jay Brown of Jay Solutions, Patrick Mawyer of First Advantage Corporation, and Naomi Gee.

I want to thank each one of them for their commitment to running a successful SPIN and their hard work and effort in making SEPG North America 2008 the success we know it will be!

SEI: When was your SPIN founded and when do you meet?

Tampa Bay SPIN Steering Committee (SC): The Tampa Bay SPIN was founded in the late 90’s by a handful of people committed to developing strategies for working smarter not harder via process improvement. The goal was and is to learn how others approach the process improvement space and sharing lessons learned. The handful of people who started the SPIN have since moved away or retired from this field of work. Now the distribution list has grown from a handful to a few hundred participants representing a wide variety of firms across the greater Tampa/St Petersburg area.

The Tampa Bay SPIN meets quarterly at the beautiful K-Force corporate headquarters located in a section of town called Ybor City – a little version of New Orleans (if you’re planning to attend the SEPG conference, Ybor City is a must see). Quarterly meetings include a full buffet style dinner and a presentation. Speakers included notable experts who address topics such as starting and sustaining a measurement program, ITIL, and working with high maturity offshore firms. Sessions are fun and informative and serve as a way to network and learn what each other are doing well (and not so well).

In 2006, the SPIN added value by aligning with an SEI Partner to provide the Introduction to CMMI course taught by Sandra Cepeda, a contributing author of the model. By arranging for the class to be offered through locally participating companies, SPIN organizers saved our members travel expenses as they received required training by a leading expert. This was a win-win for everyone!

Due to our location we’re fortunate to have fairly easy access to SEI Fellow, Watts Humphrey who lives just down the coast in Sarasota. Watts is a welcome friend of the Tampa SPIN. He visited and spoke to us on more than one occasion – our challenge is finding a date he is available – he really keeps busy!

SEI: How is the Tampa Bay SPIN preparing for SEPG North America 2008?

Tampa Bay SPIN SC: We’re excited to have the SEPG North America conference right here in Tampa this year. We have been busy distributing conference materials out to the community and raising awareness for the show. We have a SPIN Meeting planned a few days before the show to kind kick things off for our members. We also hope to sponsor an evening event to show off our area to those of you planning to visit. Stop by our Tampa Bay SPIN booth in the Exhibit Hall to learn more about the SPIN, what we do and what you should do and see while in Tampa! We look forward to meeting SPIN members from around the country and hope to learn and share with other SPIN groups.

SEI: How is Tampa SPIN raising awareness of SEPG North America 2008 in the Tampa community?

Tampa Bay SPIN SC: We’ve been communicating with not only our members but also about a dozen other groups including the local PMI chapter (Project Management Institute), ABPMP (Association of Business Process Management Professionals) and MPA (Microsoft Project Association). We have also added an online banner to our web site showing the benefits of attending SEPG North America 2008.

Continued on the next Page
A Special Reprint:
“Lessons Learned in Using Agile Methods...”

The following article was reprinted with the permission of Crosstalk.

The presentation material was delivered to the Washington DC SPIN by Mr. Nelson Perez and Mr. Ernest Ambrose.

Mr. Perez has also presented the material, or parts of the material, to the Atlanta, Seattle and Dayton SPINs over the last few months.

If you are interested in having the presentation at your SPIN please contact Mr. Perez (see contact information at the end of the article).

The views expressed are those of the authors and do not necessarily reflect those of the Carnegie Mellon Software Engineering Institute.

Tampa Bay SPIN Preparing for SEPG 2008

For our assistance in preparing for the show the SEI has graciously extended a limited number of discounts to our SPIN members. So we’re expecting a good showing at the conference from Tampa Bay SPINners.

SEI: What are some of your popular meeting topics? How are they relevant?

Tampa Bay SPIN SC: Measurement and other common process models have been popular topics. Many companies are pursuing multiple avenues to implement process improvement in different business units. Common models include: ITIL, CMMI, ISO and Six Sigma. In August, Jack Lawrence of Integrated Systems Diagnostic, Inc shared about their work on a “single event” assessment to address multiple models. It’s an interesting approach to a problem many firms are facing.

SEI: What is the impact you have on Tampa IT community?

Tampa Bay SPIN SC: We bring together local Process Improvement savvy individuals from many different industries, from Publishing, Government, Defense, Media, Finance/Investment, Manufacturing, Simulation, Consulting, Manufacturing and Food/Groceries. This provides for a great and diverse discussion group and ideas to learn from!

SEI: Anything else you would to add about your SPIN?

Tampa Bay SPIN SC: With a tight economy and always competitive business environment “how” we do things continues to be nearly as important as “what” we do. Continuing to pursue excellence and improve the way we do things proves to be a challenge we’re all faced with through the entirety of our careers. If you are not part of a SPIN, you’re missing out on a super opportunity to learn from your local peers; consider joining or starting a SPIN today!

If your SPIN is doing something you would like to have the spotlight on it next… just let me know at spin@sei.cmu.edu!
Lessons Learned in Using Agile Methods for Process Improvement

Nelson Perez
Sierra’s Edge, Inc.

Ernest Ambrose
MORI Associates, Inc.

This article presents lessons learned from a process improvement (PI) effort that took an organization from no formal process capability to the implementation of the Software Engineering Institute (SEI) Capability Maturity Model Integration (CMMI®) using the continuous representation with a focus on the staged representation’s Maturity Level 2 (ML2) process areas (PAs). This article summarizes techniques that were used to reduce the overall time to achieve institutionalization of new processes as well as what worked and what could be further improved.

When an organization decides to newly embark on PI, there are several issues that influence the amount of effort involved and the effective timeline to achieve a particular PI goal. Lessons gleaned from the software development world in the use of incremental or iterative approaches can be applied to any type of project to achieve similar results, including PI. With proper planning, the end goal can be reached in a greatly accelerated fashion. Effective planning is not the only element, however, that should be considered when reducing duration or budget.

This article examines the approach taken at MORI Associates on a PI effort that not only met its goals but exceeded the expectations of all involved. With about 75 employees spread across seven projects, MORI provides information technology, engineering, and operations services for government agencies and private industry. Included herein are some of the techniques employed and lessons learned along the way.

Be Prepared to Make a Significant Commitment

Before we examine methods to reduce effort and duration, we should discuss the costs and impact involved in a PI effort. Depending on the amount of new processes involved, there can be a considerable amount of effort required on the part of management, project staff, and the overall organization. This commitment will start with the PI effort planning stage, increase substantially as the projects implement new processes, and produce new and potentially large and unexpected work products (e.g., requirements documents and requirements traceability matrices) and will continue even after the appraisal as these processes become part of the new way of doing business.

At MORI, the organization was fully committed to the change process. This commitment began at the top with the sponsor, President/Chief Executive Office of MORI, Shahnaz Deldjoubar, and continued through upper management and out to the staff. The sponsor had all projects perform an in-depth analysis of the impact to effort, resources, and schedule. Their highest priority was their established commitments to their customers in terms of agreed-upon deliveries, services, and schedules. The projects were able to update their plans to implement the new processes without impacting their customer commitments. Along the way, the staff also contributed some of their personal time, such as conducting software engineering process group (SEPG) meetings during lunch and attending after-hours training sessions. The areas that involved the greatest effort were requirements documentation and traceability, configuration management, and project planning and monitoring.

A summary of the effort involved for process development is shown in Table 1, while the impact felt after process rollout is shown in Table 2.

Table 1: Process Development Effort

<table>
<thead>
<tr>
<th>Activity</th>
<th>Responsible Party</th>
<th>Effort Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Develop Processes, Policies, and Work Product Templates</td>
<td>Consultant</td>
<td>647</td>
</tr>
<tr>
<td>Meetings, Process Changes, and SEPG Bootstrap</td>
<td>Consultant</td>
<td>186</td>
</tr>
<tr>
<td>Review, Approve, and Revise Process Assets</td>
<td>SEPG, Steering Committee, Sponsor</td>
<td>404</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>1237</td>
</tr>
</tbody>
</table>

Table 2: Process Implementation Effort for Projects and Organization

<table>
<thead>
<tr>
<th>Activity</th>
<th>Responsible Party</th>
<th>Effort Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Training and Mentoring</td>
<td>Consultant</td>
<td>167</td>
</tr>
<tr>
<td>Training and Mentoring</td>
<td>Organization</td>
<td>251</td>
</tr>
<tr>
<td>Implement New Project-Specific Processes (38 work products)</td>
<td>Projects</td>
<td>724*</td>
</tr>
<tr>
<td>Implement New Organizational Processes (8 work products)</td>
<td>SEPG, Steering Committee, Sponsor</td>
<td>54</td>
</tr>
</tbody>
</table>

* Effort represents average per project over a nine-month window for maintaining Web-enabled Management Information Systems.
In comparing this consultant-centric and Agile-based approach to what is expected by an established CMMI estimation model, it is 30 percent more efficient than the most optimistic CMMI process development estimate [1, 2].

**Outsource Process Development to Reduce Impacts to Staff**

Enlisting a consultant to develop your process assets can be helpful when the capability or PI experience is lacking or the staff is too busy to devote the time needed to develop process assets. At MORI, all process assets were developed by an external consultant with each PA requiring an average of 80 consulting hours to develop, including 77 hours to plan the effort. Consulting time was divided among process development (65 percent); mentoring and training (16.5 percent); and meetings, action items and PIs (18.5 percent). With only a 65 percent availability to develop processes, a four-month calendar (assuming 159 man hours per calendar month) effort required about six months. In the absence of a full-time consultant, companies might assign one or more persons to each PA. Assuming a staff of seven (i.e., one person per PA) and a 20 percent availability (eight hours per week), it should take about three months to develop all the processes. However, most staff assigned to process development tended to be pulled off to perform their normal responsibilities. Availability usually shrinks to 5 percent (two hours per week) and sometimes to zero for extended lengths of time. At 5 percent, process development with a staff of seven can stretch from three months to as many as 12 months or more. With a consultant, the process development schedule can become more deterministic and the staff can stay focused on their projects and the new effort involved. At MORI, the five-person SEPG committed about 8 percent of their time in support of the process development effort and the percentage of time rises to about 13 percent when you include training and mentoring activities.

**Run the CMMI Effort as an Agile Project and Use It to Pilot Key Concepts and Tools**

Regardless of who is developing the process assets, start prototyping processes from the very beginning by treating the CMMI effort as a pilot project, experimenting with processes that can be adapted and eventually transitioned to the organization.

Our PI effort planned on implementing an incremental development model but ended up implementing an incremental/iterative model. The process development sequence was planned to ensure that lead items would be kicked off first (in our case documenting requirements and creating a requirements traceability matrix for each project) followed in importance by what seemed like a logical order based on a typical development life cycle. The approach used the continuous representation of the CMMI model. We chose a target profile of the staged representation’s ML2 PAs at Capability Level 3 (CL3), Decision Analysis and Resolution (DAR) at CL3, and Organizational Process Definition (OPD) and Organizational Process Focus (OPF) at CL1. We also created a template to document project requirements.

>“Regardless of who is developing the process assets, start prototyping processes from the very beginning by treating the CMMI effort as a pilot project, experimenting with processes that can be adapted and eventually transitioned to the organization.”

Although this order was generally followed, some of the processes and associated work products were actually created and released in an iterative manner while others were developed out of cycle, as some portions of their policies and work products were prototyped for use by the SEPG, followed by pilots on select projects and further iterated on as feedback was generated.

In running the effort as a project, reports on project progress, risks, and issues should be made to the organization’s upper management, including the sponsor, on a periodic basis. In our case, a monthly project management review (PMR) was implemented and a PMR slides template was developed. The PMR slides template was developed in an iterative fashion, as the effort progressed. Kicking off the PMR process with monthly reviews of the PI effort helps accomplish quite a few objectives. It communicates progress to the sponsor while planting the seeds of the new PMR process, familiarizing them with the format, and creating a more formal review process. Having the project leaders participate early on allows them to learn by example, even before the process has been documented.

**Pilot Key Processes in an SEPG**

Use the SEPG to prototype several of the high return on investment (ROI) processes and templates.

Prototype an action item management process and action item log template (PMC), create a process change management process and process change request (PCR) forms (OPF), define process standards (OPD), and define meeting agendas and minutes (PMCM) which can be applied to many types of meetings. Once the SEPG processes have stabilized, tailor the process change management process and templates to suit the REQM and CM change control processes. Tailor the meeting agenda and minutes template to use for project staff and customer meetings, for the software configuration control board (CCB) and the requirements CCB. Define metrics to track project and SEPG activity: Discuss and schedule progress and issues with the SEPG. Use these metrics to track project effort, schedule, and activities.

In our case, the project leaders were so excited about having certain tools, especially an electronic way to track and manage action items, they piloted them without being asked, adapting them to suit their own needs well in advance of the
Lessons Learned in Using Agile Methods for Process Improvement

The value of documentation standards such as those produced by the IEEE is that they are a result of the collaboration of many leading industry experts. By using such standards, you are leveraging a larger pool of expertise...

[3] The value of documentation standards such as those produced by the IEEE is that they are a result of the collaboration of many leading industry experts. By using such standards, you are leveraging a larger pool of expertise rather than trying to come up with an internally produced standard, resulting in considerable savings.

Implement Defined Processes
Develop organizational standard processes (i.e. define critical processes at a CL3 level of detail) and tools that include tailoring guidelines instead of flowing down detailed process decisions to each project, as is the case for an ML2 organization (under the staged CMMI approach). This frees projects to do their work without being encumbered with the need to become process experts, especially if they lack the capability to develop their own detailed processes, as is the case with many organizations just starting down the road of PI. Providing detailed PA process descriptions and procedures as well as standard forms, templates, and infrastructure (e.g. common project repository folder structure, CM library, and defect tracking tools) makes the job of project participants and upper management easier, especially when moving from project to project. It speeds institutionalization and simplifies the appraisal process. Processes were documented from the union of the classic IBM ETVX (entry, task, verification, exit) and Watts Humphrey’s ETXM (entry, task, exit, measure) process architectures to yield an ETVXM (entry, task, verification, exit, measure) process architecture, where both measures and verification steps augment the description of the entry and exit criteria and tasks to be performed [4]. If going for CL3, remember to add explicit tailoring instructions to fully satisfy Generic Practice (GP) 3.1 and ensure the organization collects best practice examples for its process asset library.

Be CMMI Friendly
Make sure that the processes and work products CMMI friendly and, hence, appraisal-friendly; show how they map to each PA. For example, in meeting agendas and minutes, create subsections for each PA. This will help guide important discussions while providing quite a bit of indirect evidence across several PAs. To simplify the appraisal, create project summary presentations that show how each PA is satisfied. Although the Standard CMMI Appraisal Method for Process Improvement (SCAMPI) Method Definition Document suggests creating presentations as a way to increase appraisal related oral affirmations [5], providing direct mappings to each PA within the presentation helps simplify the job of the appraisal team when it comes to the verification of objective evidence (of oral affirmations).

Outsource QA, Ensure Your Designated QA Lead Is Objective, and Keep QA Checklists Simple
An area that is often a challenge for most organizations new to process is QA. As Juran has noted, while companies are generally experts in their particular discipline such as product development, they
implementation status as you roll out the processes. Use a high quality lead appraiser to perform a gap analysis of the processes and validate the PIID mappings. Interpreting the model in the context of many different approaches is a continual challenge. It is best to have an experienced set of eyes looking at the PIID.

**Forecast and Track CMMI Compliance for the Life of Each Project and the Organization**

Forecasting process implementation helps an organization track its progress and assess its appraisal readiness. As part of the sponsor’s request to evaluate the impacts to projects, the project leads worked with the PI consultant to negotiate the projected completion dates of each of the work products associated with the new processes. Using a simple spreadsheet-based tool, the projects and the organization were able to tie the compliance status of each of the specific and generic practices of each PA to the expected and actual completion dates of their associated work products. By initializing the tool with expected work product completion dates, monthly compliance goals were automatically generated.

This tool effectively creates a hybrid PIID that not only reports CMMI compliance but also allows projects to track the monthly status of the direct and indirect artifacts needed to satisfy the PA specific and generic practices. This hybrid PIID uses the work product status data entered in by the project leads to calculate a percentage of compliance for each PA and allows the project leads and organization to determine if they are meeting the planned forecast and still on track to achieve the overall PI effort as planned. This tool also generates an expected appraisal-readiness date for the PI effort and can be used as an input to revise the PI plan and schedule.

A good way to visualize this is through an example. Let us say that a specific practice requires four distinct work products to be generated in order for the practice to be fully implemented and therefore compliant with the CMMI. Let us also assume that each work product takes a month to create and is to be created in a serial fashion. The forecasted compliance trend would then be 25 percent, 50 percent, 75 percent, and 100 percent across this four month time period. One could then collect the actual status of each of these work products from each project as it progresses and average their statuses each month to visualize the organization’s progress toward full compliance for the practice. For long-lead work products, such as the requirements traceability matrix (RTM), status tracking could be made more granular by reporting progress at the product component level, for example.

The overall forecast defines expected monthly process implementation goals for each PA (in terms of work product completion) and predicts the overall target date to reach full compliance with the CMMI model. This self-assessment also helps meet the requirements of OPF SP 1.2.

The forecast and achievement profile for process and CMMI compliance across the MORI organization is shown.
in Figure 1. The bars represent the forecasted process implementation (i.e. percentage of full CMMI ML2 compliance using the staged representation) goals for each month as a cumulative quantity, while the line graph shows the actual compliance achieved.

Figure 1 shows the early gains made from prototyping some of the processes and tools in the SEPG and then piloting tailored versions to the projects. It also shows a slight dip in August as the organization played catch-up on their QA audits (by outsourcing); otherwise, the PI effort was executed according to the plan.

While it was not technically and fully compliant until September, it had achieved a high degree of institutionalization well in advance since the majority of many of the PA’s had already been up and running for quite some time (the first process was rolled out in February). This is a major benefit derived from implementing an incremental and iterative approach.

The compliance profile from the PA perspective is shown in Table 3. By June (four months before the actual appraisal), a large percentage of each PA had been implemented. The percentages were based not only on whether a particular process was being performed but on the coverage of work products completed as well. For example, complete credit was not claimed for REQM SP 1.4 until the RTM was completed. The appraiser’s perspective is similar but not as rigid. Appraisers want to ensure that processes and work products meet the intent of the model, and they want to see sufficient evidence that the processes are being followed. So, for example, an RTM in the process of development with substantial progress made is acceptable and practical. The reason we chose a different interpretation was to drive the projects toward completing their work products. As a result, one project was able to complete its RTM by the appraisal, while the others had made significant progress toward completing theirs. In the end, all were able to claim full credit for their RTM.

From the trends in Table 3, one might expect weaknesses in PPQA and CM since they lagged the other PAs in reaching comparable compliance levels. They were among the last three processes to be rolled out. The appraisal did note a weakness in PPQA, but none in CM.

Although the original schedule called for a February 2007 appraisal, the Lead Appraiser felt that MORI had already achieved a high state of readiness much sooner. MORI achieved ML2 (staged representation) on October 4, 2006, in nine months with six global and several PAs strengths with only two weaknesses. This result further reflects how a commitment to quality and continuous improvement combined with a more agile approach can help you reach your improvement goals in dramatic fashion.

### Summary

As a result of this PI effort, MORI learned many lessons that spanned the entire PI life cycle. Creating a streamlined PI effort is definitely possible when you follow a more agile approach. Implementing an incremental/iterative approach, piloting prototypes to the organization early and often, leveraging industry standards and examples, and identifying and using metrics to monitor and adjust the plan and schedule as needed are all ways to develop processes in a highly responsive manner. Reducing the overall impact to the organization is possible when you outsource process development, implement well defined processes, and provide the right mix of training, mentoring, and bootstrap services. Using an agile approach can yield significant and even unexpected results over more traditional methods.

### References


### About the Authors

**Nelson Perez** is president of Sierra’s Edge, Inc., and was the architect and author of all the policies and process assets at MORI Associates. He has more than 20 years of experience and has worked the entire life cycle of and held numerous management and engineering positions on such high-visibility programs as the B2 Stealth Bomber, National Aeronautics and Space Administration Space Shuttle, and Homeland Defense. Perez has co-authored one patent, and his first PI effort helped garner the U.S. Air Force/TRW (now part of Northrop Grumman) Special Operation Force Extendable Integration Support Environment program the U.S. Air Force 21st Partnership Century Team Award Quality.

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Thank you to the SEPG North America Program Committee

A special thank you to the following SPIN members who volunteered their time to participate on the SEPG North America 2008 Program Committee. The committee reviewed the abstracts that made up the conference program. SEPG North America is truly an international community show as we had participation from 10 different countries!

Albuquerque SPIN (www.abqspin.org/): Keith Lutz

Atlanta SPIN (www.atlantaspin.org/): Jean Swank, Bruce Duncil, Abi Salimi, Jeanne Balsam, Michael Murphy, Stewart Forsher

Bangalore (India) SPIN (www.bspin.org/): Varun Vaid, Niranjan Sridharan

Boston SPIN (www.boston-spin.org/): Elaine Anslem, Barry Mirrer

Campinas (Brazil) SPIN (www.cpqd.com.br/spin-cps/): Fernanda Pellegrini

Chennai (India) SPIN (www.spinchennai.org/): Deborah Devadasan

Chile SPIN (www.spin-chile.cl/): Daniel Pezoa, Marisol Meneses

Cincinnati SPIN (www.cincinnatispin.com/news.html/): Kishore Subramanyam

Dallas SPIN (www.dfw-asee.org/): Arisa Ude

Dayton SPIN (www.daytonspin.org/): Tina Walls, Mike Evanoo, Dan Potts, Dennis Ludwig

Great Lakes (Michigan) SPIN (www.gl-spin.org/): Jeff Dalton, Gary Rushton

Huntsville SPIN (www.huntsvillespin.org/): Barry Schrimsher, Noopur Davis, Gregg Taylor

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Silicon Valley (California) SPIN (www.svspin.org/): James McCarthy

SPIder (Netherlands) SPIN (www.st-spider.nl/): Ben Linders

Tampa Bay SPIN (www.tampabayspin.com/): Robert Shaw, Scott Mandel, Kristine Chapman, Paula Stewart

Toronto SPIN (www.torontospin.com/torontospin/default.shtml): Winfried Menezes, Rekha Kulshreshtha


Interested in Starting or Joining a SPIN?

How do I start a SPIN?

The SEI can help you find others in your region, start a planning committee, and support your development of a charter. Visit www.sei.cmu.edu/go/spins, and click “Start a SPIN.”

How do I join an existing SPIN?

Visit www.sei.cmu.edu/go/spins. Under “Directory of SPINs,” you can view lists of U.S. and international SPINs. Contact the point of contact listed for your local SPIN to get more information.

SPIN-related Web Sites


SPIN Meeting Calendar: http://www.sei.cmu.edu/collaborating/spins/calendar.html

SPIN WIKI: http://seispin.wikispaces.com/

SPIN Blog: http://seispin.blogspot.com/