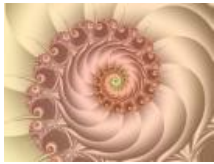

THE Interface

QUARTERLY
NEWSLETTER OF THE
HUMAN FACTORS &
ERGONOMICS SOCIETY
SOUTH JERSEY
CHAPTER

MARCH 2006

Off and Running

Chapter Presentations, Jersey Shore Science Fair



Springing Ahead

By Carolina Zingale

It's astounding. Time is fleeting. We are already well into 2006. Spring is here, and daylight savings time and baseball's opening day are upon us. Though we're one quarter of the way into the year, let me first take a few moments to review 2005 – quite an eventful year for the chapter! In addition to our schedule of lunchtime talks, end-of-summer picnic, and December holiday party, the chapter coordinated two major, first-ever events. One was the human factors outreach event at Rowan University last February. A group of chapter members spent an afternoon giving demonstrations and talking with students about human factors issues to help spark interest in the field. The second was the Miniconference on Complex Socioeconomic Systems hosted by the chapter in April. We were able to gather over 60 human factors professionals from around the region to share information about their research and participate in lab tours and discussions. We also continued our tradition of presenting awards to the winners of the Jersey Shore Science Fair (JSSF), and inviting those students to speak to our group. Last July, two of the

winners took us up on our offer to give presentations to the chapter, and they were impressive. Given our involvement in these events, we nominated our chapter for the 2005 HFES Local Chapter Distinguished Service Award. Though we lost out in a close vote, our chapter and the other nominated chapters will be recognized in an upcoming HFES Bulletin and on the HFES web site.

2006 marks the 50th anniversary of the national HFES organization. While our chapter has not been around quite that long, it is already in its 15th year. We've gotten off to a great start with presentations by Ferné Friedman-Berg and invited speaker, Dr. Qiping Zhang, from Drexel University. On Wednesday, April 5th, Dr. Frank Durso, from Texas Tech will be here to present, "What can your physician learn from your air traffic controller? Comparing safety in two industries." We're also continuing to support students involved in science and research who may one day decide to look to human factors as a career. On March 18, several chapter members once again served as judges at the JSSF at Stockton College. The chapter presented awards to the winners in the Behavioral and Social Sciences division as we have in the past, and will invite them to speak to our group this summer. This year the chapter will also be presenting awards to the winners of the Student Inventions Through Education (SITE) program for students in grades K - 12. This program is part of the National Talent Network

and coordinated through the Educational Information and Research Center (EIRC). The SITE regional competition allows students to exercise their critical thinking and problem solving skills to develop inventions and innovations. The event will take place at the Technical Center on Friday, April 28.

We are also looking to hold another student outreach activity again later this year, possibly at Stockton College or one of the local high schools. We're also talking with two other human factors groups that are active in our region to discuss ways we might collaborate. Volunteers will be needed to serve on the planning committees for these events to help make them a reality. Please send me an e-mail or give me a call if you're interested in getting involved. The chapter's success depends on member support and involvement, and I encourage you to participate so we can keep our chapter moving ahead!

Mark Your Calendar!

Dr. Frank Durso of Texas Tech University has agreed to make a presentation to the chapter on **April 5 at noon in the RDHFL**. The title of Professor Durso's talk is "What can your physician learn from your air traffic controller? Comparing safety in two industries." Come and get your free pizza and listen to this overarching and provocative presentation.

Weather Tools for Controllers

By Shantanu Pai

At the February chapter meeting, Ferne Friedman-Berg presented the results of a study she conducted with Ulf Ahlstrom entitled, "Evaluating Controller Use of Advanced Weather Products by Evaluating User Interaction Patterns." Bad weather conditions may impact the NAS and reduce system throughput. Advanced weather products may increase controller awareness of weather conditions and help controllers keep aircraft away from bad weather. Ferne and Ulf conducted a human-in-the-loop simulation to evaluate how controllers used two types of advanced weather products, and the effect of those tools on performance, workload, and safety.

The experiment included: 1) a control condition with no advanced weather products, 2) a condition with an auxiliary Weather Information Display System (WIDS) located above the Terminal Control Workstation (TCW), and 3) a condition with an advanced weather display integrated on the TCW. User interaction styles, number of completed flights, subjective workload ratings, and visual scanning data were used as dependent measures. Study results showed that having access to advanced weather products was associated with an increase in the number of flights completed. In the WIDS and TCW conditions, controllers handled more aircraft without a corresponding increase in subjective workload ratings. No negative effects were found for either tool, and there was no clear advantage found for one tool over the other. No increase in 'heads-up' time was observed in the WIDS condition. Ferne also reported that scan path analyses and other eye movement metrics may be useful for optimizing display presentation.



Ferne Friedman-Berg & Chapter President Carolina Zingale (Photo by Kate McDevitt).

Trust in Global Virtual Communities

By Ferne Friedman-Berg

On March 9th, Dr. Qiping Zhang, Assistant Professor, College of Information Science and Technology at Drexel University, presented an interesting lunchtime talk to the SJHFES entitled "Trust in Global Virtual Communities". Dr. Zhang's talk focused on how people from different cultures develop trust in virtual communities. She pointed out how researchers have mostly focused on western cultures when studying trust in virtual communities and how this bias creates a large gap in our understanding of global, virtual communities.

In one study, Dr. Zhang evaluated whether video communications provided an added trust benefit over instant messaging (IM) communications in two different tasks: a negotiating task and a brainstorming task. She also evaluated whether benefits differed for American and Chinese teams. Overall, Dr. Zhang found an enhancement in performance (i.e., a decrease in task completion time) when the teams used video communications. While there was no difference in the reported lev-

els of trust for the two forms of communication (IM and video) in the brainstorming task, people in the negotiation task, which involves resolving conflicts of interest, had higher levels of reported trust when they used video communications. Additionally, American teams completed the tasks more quickly than Chinese teams and had greater overall trust in each other than their Chinese counterparts. Dr. Zhang hypothesized that this was due to the willingness of Americans to temporarily treat others as in-group members (a low context culture). Chinese participants (a high context culture) seemed to treat their partners as out-group members, which lead to longer task completion times and lower perceived trust, regardless of the task type. Dr. Zhang concluded that you can engender higher levels of trust in virtual teams with no previous interpersonal relationships by providing a media rich channel like video. This is especially true when people deal with tasks involving conflicts of interest. Dr. Zhang also cautioned that businesses having relationships with high context cultures should provide extra time for partners from these cultures to build relationships and develop personal trust.

In a second study, Dr. Zhang evaluated whether Korean and Chinese "bloggers" differed in online trust from American "bloggers". Dr. Zhang evaluated both the nature and amount of information divulged by these bloggers. She found that Americans typically divulged more information in blogs than their Korean and Chinese counterparts. Dr. Zhang also compared the type of information revealed by the Korean, Chinese, and American bloggers. Surprisingly, Dr. Zhang found that both Korean and American bloggers revealed more information and showed more cultural similarities than their Chinese counterparts. She hypothesized that this may be due to the impact of other factors that could influence online trust such as the

amount of economic development, the presence of democratic institutions, and the average level of education in their society. Dr. Zhang plans on conducting a follow-on study to look at a larger random sample of bloggers from these and other high context and low context cultures.

Jersey Shore Science Fair

By Kenneth Allendoerfer

Chapter members Kenneth Allendoerfer, Ferne Friedman-Berg, Sehchang Hah, Monicarol Nickelson, Todd Truitt, Kate McDevitt, and Ben Willems served as judges in the 31st Annual Jersey Shore Science Fair, held at Richard Stockton College on March 18. They examined projects in the Behavioral and Social Science division in three age groups. Projects examined a wide range of topics in behavioral science—from conditioning the behavior of termites to the effect of cell phone usage on driver distraction. All the judges had a great time reading and talking to students about their projects. The students, we hope, had an extremely rewarding experience.

The winners in each age group received a gift certificate from Border's Books and Music, sponsored by the HFES South Jersey Chapter and will advance to the Delaware Valley Science Fair. In the summer, some of the first place winners will present their projects at a meeting of the chapter, watch for details. The winners in the Behavioral and Social Science Division were:

Junior (7th-8th grade)

1. Clair McKittrick, McKittrick Homeschool: *The Effect of Tannins on G. Portentosa*
2. Sarah Linn, Belhaven Avenue School: *Is Name Brand Food Really Better Than Store Brand?*
2. Alexander Utts, Northfield Community School: *DWD - Driving While Dis-*

tracted

3. Evan Drake, Egg Harbor Township Intermediate School: *Greetings!*

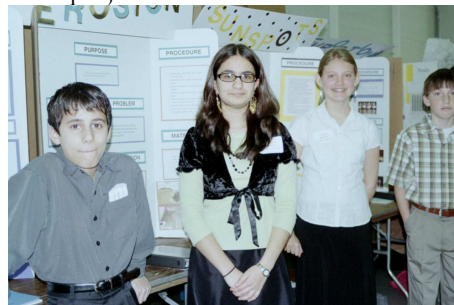
Intermediate (9th – 10th grade) Winners

1. Beenita Shah, High Technology High School: *The Suggestibility Effect on Human Memories*
2. Christopher Piccoli, High Technology High School: *The Effect of Weighted Baseball Warm-Up Drills on Distance Accuracy Using Standard Baseballs*
3. Grace Genter, The Pilgrim Academy: *Can the Melampus bidentatus be Reprogrammed to Normal and Abnormal Tide Schedules?*

Upper (11th – 12th grade)

1. Sarah Genter, The Pilgrim Academy: *Can Two Groups of Mus Musculus Each be Conditioned to Respond to a Different Stimulus, and then through Local Enhancement Acquire the Countergroup's Conditioning Faster than Through Trial-and-Error?*
2. Michael Nail, Nail Home School: *Terminations*
3. Stephen Vandermolen, High Technology High School: *The Effects of Group Pressure upon Perceptual Responses in Adolescents*

The Jersey Shore Science Fair is held every March and our chapter has sponsored prizes for the last four years. Next spring, consider signing up to be a judge! And, if you're a parent, consider "encouraging" your son or daughter to submit a project.



Students at the Jersey Shore Science Fair (Photo by Kate McDevitt).

Member Publications

By Todd R. Truitt

Our chapter members have some new publications for 2006. The citations and abstracts are presented below. If you would like to obtain more information on any of the publications listed, please contact one of the authors. If you have a recent publication that you would like other chapter members to know about, please let us know by contacting the Publications Chair.

Allendoerfer, K., & Pai, S. (2006). *Human factors considerations for passwords and other user identification techniques part 2: Field study, results and analysis* (DOT/FAA/CT-06/09). Atlantic City International Airport, NJ: Federal Aviation Administration William J. Hughes Technical Center.

Abstract

Within the Federal Aviation Administration (FAA) Air Traffic Organization (ATO), Technical Operations (TO) personnel ensure that the systems that make up the National Airspace System (NAS) function safely and effectively. TO personnel manage and maintain more than 44,000 pieces of NAS equipment and systems at over 6,000 facilities and locations. They work at many types of facilities including the National Operations Control Center (NOCC), Operations Control Centers (OCCs), Air Route Traffic Control Centers (ARTCCs), Terminal Radar Approach Control (TRACON) facilities, Air Traffic Control Towers (ATCTs), and Automated Flight Service Stations (AFSSs). The FAA employs a variety of user-identification techniques including knowledge-based techniques, such as passwords, token-based techniques (such as badge readers) to ensure that facilities, equipment,

and personnel are secure. In 2004, the Technical Operations Services organization became increasingly concerned about the number of usernames, passwords, and tokens that TO personnel were being expected to use. The NAS Human Factors Group conducted a field study to examine the human factors implications of user-identification techniques currently employed at field sites to prevent unauthorized access to NAS equipment and information technology systems. In this report, we present findings from the field study and provide recommendations that are specific to the TO users, tasks, and environment. These recommendations seek to improve the human factors of user-identification technologies and policies to improve the productivity, workload, and job satisfaction of TO employees.

Truitt, T. (2006) *Electronic flight data in airport traffic control towers: Literature review* (DOT/FAA/CT-05/13). Atlantic City International Airport, NJ: Federal Aviation Administration, William J. Hughes Technical Center.

Abstract

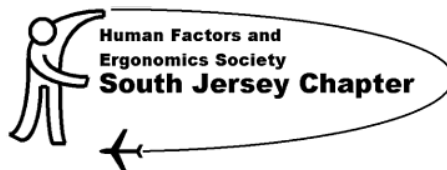
The Federal Aviation Administration (FAA) is investigating the potential effects of implementing electronic flight data systems (EFDSs) at Airport Traffic Control Towers (ATCTs). This literature review examines task analyses, published literature, and recent field observation data to explore the basic functionality of flight progress strips (FPSs) in the ATCT. The author identifies gaps in the research and searches for general principles to guide the design of an EFDS prototype. Given the proper design of the interface and automation, an EFDS should maintain some of the basic functionality and benefits of the FPSs, reduce workload related to flight data entry, tracking and sharing, and provide new features that will enhance

controller performance and encourage use. The author presents possible risks and outcomes that may accompany an EFDS in FAA ATCTs.

Annual Membership Drive

By Carolina Zingale for Anton Koros

While our Membership Chair, Anton, is out recuperating from knee surgery, let me pinch hit with a reminder that now is the time to renew chapter dues for '06. The membership fee is still just \$10 per calendar year. The benefits of membership include receiving the newsletter, hearing guest speakers, touring facilities with human factors programs or issues, sharing information and networking with colleagues, video presentations...and, of course, good company! The Program Committee is putting together an interesting set of activities for this year. Membership is open to anyone with an interest in human factors. You do not need to be a member of the national HFES to join, so please share this invitation with anyone who would like to learn more. To join the chapter or renew your membership, please complete the form included in this newsletter and/or contact Anton Koros or Carolina Zingale. New this year – you can also renew your membership through PayPal at the chapter's website at <http://www.sjhfes.org/membership.htm> New memberships and renewals for folks in Bldg 300 and 316 can also be dropped off to Karen Peio, Bldg 316 3Z20, x8132. Looking forward to seeing you at the meetings!



<http://www.sjhfes.org/>

Upcoming National Events

By Carolina Zingale

April 24-26, 2005

TCA/FAA/NASA Annual Technical Symposium, Atlantic City, NJ
<http://tinyurl.com/het7y>

May 25-28, 2006

American Psychological Society, 18th Annual Convention, New York Marriott Marquis, New York City, NY
<http://www.psychologicalscience.org/convention/>

October 16-20, 2006

[HFES Annual Meeting – 50th Anniversary](#)

Human Factors and Ergonomics Society Annual Meeting, San Francisco Hilton, San Francisco, CA
<http://www.hfes.org/web/HFESMeetings/meetings.html>

Treasurer's Report

By Bonnie Kudrick

As of the last Executive Council meeting on March 14, 2006, there was \$1190.24 in checking, \$328.98 in savings, and \$38.27 in petty cash for a total balance of \$1557.49.

Call for Submissions

By Todd R. Truitt

As your SJHFES Publications Chair, I am always looking for material to include in future editions of The Interface. The Interface is not just a way for the Executive Council to communicate information

to members; it is also a means to share information among members and to promote our chapter and its members. Please consider submitting information for publication in *The Interface*. We will publish just about anything related to human factors such as book or article reviews, summaries of recent publications, or descriptions of bad designs you have experienced. If you would like to submit materials for publication in *The Interface*, please send them to todd.truitt@faa.gov.

Highlights of Recent Executive Council Meetings

By Karen Peio

January 10:

Members Present

Anton Koros
Todd Truitt
Ferne Friedman-Berg
Kenneth Allendoerfer
Carolina Zingale

The meeting opened at 11:35. Carolina reported on Kenneth's submission of the Chapter's application for the HFES Local Chapter Distinguished Service Award for the previous year. The application summarized our community outreach activity at Rowan University, the Mini-conference, and involvement with the Jersey Shore Science Fair. The award comes with a \$300 prize.

The EC spent the bulk of the meeting discussing plans for chapter events for the upcoming year and talked about holding some of the chapter meetings in the main building to make it easier for some members to attend.

Some new ideas for chapter meetings/activities include: tour of the AFTIL, mini-golf, identifying/recruiting speaker through national HFES. Other

annual activities are tentatively planned as follows:

- July – presentation by JSSF winner(s).
- Sept. – chapter picnic
- Dec. – holiday party

Some EC members also plan to support the JSSF in March. The EC also discussed conducting another outreach event and will investigate possibilities at Stockton or a local high school. It may be possible to identify high schools and identify interest at the JSSF.

The EC also talked about a possible March '07 target date for another mini-conference.

Membership: Anton

We currently have 12 members paid for '06. Renewal forms will be sent out when the next meeting announcement is distributed.

Treasurer: Bonnie

Bonnie provided the following information prior to the meeting.
Total balance: \$1507.83

Checking: \$620.35
Savings: \$327.82
Petty Cash: \$52.00
PayPal: \$507.66

Action Items:

Gulshan

- coordinate with Todd to update the website to activate PayPal, include list of current EC members, and links to recent issues of the *Interface*.

Todd

- look into Frank Durso's availability to present at one of the chapter meetings – probably March or April.
- check into the date of Student Inventions Through Innovations at Ocean Life Center.

Anton

- look into possibility of recruiting new members through AIAA.

Carolina

- (re)investigate tax-exempt status issue for the chapter
- contact the national HFES to update the link to the chapter website
- reach out to local chapter of usabilitynj and PhiChi to find out about speakers / coordinating presentations, etc.
- contact Bill Vaughn about arranging tour of AFTIL for chapter members

Meeting closed at 12:20

Next meeting is scheduled for February 14, 2006, 12 -1, RDHFL.

February 15:

Members Present:

Carolina Zingale
Bonnie Kudrick
Todd Truitt
Anton Koros
Ferne Friedman-Berg
Gulshan Panjwani
Kenneth Allendoerfer
Karen Peio

Carolina opened the meeting at 12:10. She expressed thanks to Ferne for her presentation at the February 1, 2006 meeting.

Gulshan began discussions about potential upcoming chapter meeting events. Dr. Qiping Zhang is available the first week in March. Wednesday March 8 is the tentative date for the next meeting. April – June are open for planning events.

Gulshan: October/November – informed the EC that the NYC CHI is planning a conference and may want help/collaboration. Discussion ensued that HFES SJC chair one session – depending on format and venue.

Several issues were revisited from last EC meeting:

Carolina: Contacted UsabilityNJ chapter.

They are interested in collaboration – maybe trading speakers.

Carolina: Investigation into the feasibility of a non-profit status for the chapter resulted in the conclusion that it was more trouble than it was worth.

Todd: The date of Student Inventions Through Innovations (SITE) competition is scheduled for April 28.

Other potential future meetings:

April 4-5 - Frank Durso, Cognitive Psychologist at Texas Tech. will be at the Tech Center.

March and April and maybe May the AFTIL lab has an open schedule for a potential tour.

May – Evening presentation by local professors/professionals (Rutgers/U. Penn. or industry). Candidate: Steven Wilcox, Design Sciences in Philadelphia. Gulshan will contact.

July – Lunch time presentation by Science Fair winner.

August – Lunch time Talk by HFES/CHI presenter(s).

September – Chapter picnic.

October – Lunch time video / National Ergonomics Month activity. Carolina suggested Scientific American Frontier video

December – Holiday meeting/party.

Carolina noted that March 18 was the Jersey Shore Science Fair. Judges are needed. The Chapter will provide gift certificates as awards to the winners in the Behavioral Sciences category as in past years.

Gulshan made some updates to the chapter website and will investigate prob-

lems/difficulties with PayPal and how we will be able to make the website more accessible for editing by other members of the EC going forward.

Membership: Anton

Five members renewed their membership in February. There were 14 membership renewals for 2006 and 2 lifetime members.

Anton also noted that members who present at chapter meetings receive a free chapter membership.

Treasurer: Bonnie

Bonnie noted that Pay Pal is up for members to renew memberships.

Total in the Chapter treasury is \$1447.69

Checking –	\$574.35
Savings –	327.41
Pay Pal -	507.66
Petty Cash -	38.27

Newsletter: Todd

Todd will collect information for the 1st issue of the 2006 Interface through 3/23 and send to the committee for review before distributing to members.

Contributions to the newsletter need to be to Todd prior to March 23.

- Carolina – President’s column
- Shantanu – Ferne’s talk
- Gulshan – Details on upcoming events

- Kenneth – Science Fair report
- Anton – Membership column
- ? - Member of the month focus column
- Bonnie - Treasurer report
- Karen – EC meeting minutes

Action Items:

All – Items to Todd for newsletter.

Bonnie - Get certificates for the Science Fair.

Anton - Send a reminder email to the membership and note that members in the Tech Center main buildings (Bldgs. 300 and 316) can contact Karen (5-8132, Bldg 316 3rd floor Z20) to update their membership as well as renewing through PayPal.

Gulshan – Investigate purchasing a license for Front Page.

Todd – Contact Fred Snyder re: inclusion in Speaker series

March 14:

Present: Carolina, Bonnie, Ferne, Kenneth, Gulshan (phone), Todd (phone)

Absent: Anton, Karen

• **Jersey Shore Science Fair**

- To be held March 18 at Stockton College.
- Kenneth, Todd, and Ferne will be judges, maybe others from chapter too.
- Carolina has written invitation letters for the winners in each age group.
- Kenneth with pick up gift certificates from Border’s. \$50, \$30, \$20 for the three age category winners.

• **April issue of *The Interface***

- Todd has already received inputs from Carolina and Karen.
- Ferne will do write-up of speaker from Drexel; Kenneth will do writeup of JSSF.
- The deadline is March 23 and the issue should be published around April 1.

• **Upcoming Meetings**

- April 15: Frank Durso will speak
 - Can we get an ad for the talk in the Tech Center news?
- May: We’re planning a tour of the AFTIL. Gulshan will talk to Bill Vaughn to schedule for the beginning of the month.
 - Question: How many people can they accommodate at once?

- Bruce Rosenberg contacted chapter about doing a talk
 - Maybe try to schedule him for June or July
- July meeting will be JSSF Winners, if any accept the invitation.
 - July is good because a lunchtime meeting would not conflict with school.
- August: Tanya and Bart (?) will present their HFES submission
- September: Annual Picnic
 - Maybe have picnic at Cowtown Rodeo in Woodstown. This seemed to be a popular idea among the council.
- **Community Outreach**
 - Try to schedule an outreach during National Ergonomics Month in October at Richard Stockton College, similar to what we did last year at Rowan.
 - Kenneth will contact David Burdick from the Stockton Psychology Department who we know from the Mini-Conference to see if there is any interest.
 - Carolina has a list of human factors related videos that we might use for meetings or community outreach that she will email to the council.
 - Ferne suggested that we think about a presentation or booth at the Atlantic County Kid's Fair
 - Held at AC Convention Center. Mostly fun activities, some educational.
 - We'll think about it for next year if we can think of an activity that would be fun for ~10 year olds.
 - Also, Ferne suggested talking to local media outlets, such as Comcast Newsmakers, to coincide with our community outreach project. We will try to publicize our community activities in some way like this.
- **Chapter Website**

- Gulshan reported that he can get us space for the website at \$3/month with the current hosting company
- This does not include the Microsoft FrontPage software but includes similar tools. We would have to do some porting to these tools but this shouldn't be a major problem because our site does not have much code.
- PayPal seems to be working again.
- Gulshan will send out login information for the current site. We will try to arrange the site so that more members of the chapter can make contributions to the pages.
- **Student Innovation Through Education**
 - Todd has communicated with organizers. Students will present inventions and projects similar to a science fair. To be held at the Technical Center on April 28.
 - We will offer similar awards for the winners. Kenneth will pick up Border's gift certificates: K-2nd: \$10, 3rd -4th: \$10, 5th -6th : \$20; 7th - 8th: \$20; 9th -12th : \$50
- **Membership**
 - Anton (in absentia) reported 1 new member
- **Treasurer**
 - Bonnie reported \$1557.49 total assets (\$1190.00 checking, \$328.98 checking; \$38.27 in PayPal). We are moving the PayPal money into the checking account periodically.

Human Factors Job Listings

Job Opening: Educational Testing Service (UX Designer)
 Company: Educational Testing Service
 Title: User Experience Designer
 Location: Princeton, NJ

ETS is seeking an individual to design usable websites and web applications. Qualified candidate will have BA/BS w/coursework in human-computer interface, design discipline or computer science and 5+ yrs. exp. in design of tech-based user exp. req'd.

Send resume w/ cover letter & Job # 2610 to dsantoro@ets.edu. EOE

Job Opening: IndustryNext (Information Architect)
 Company: IndustryNext
 Title: Information Architect
 Location: New York City

Information Architects who work to translate business rules and practices into functional requirements for large, media-rich, web-based projects, using IA disciplines including UI Design, Usability and Strategy to create novel user experiences. We are looking for talented, energetic and enthusiastic individuals.

E-mail your resume and portfolio to techjobs@industrynext.com

Job Opening: The Onion, Inc. (Director Of Web Technology)
 Company: The Onion, Inc.
 Title: Director Of Web Technology
 Location: Soho, New York City

Seeking senior programmer to lead all Web efforts for theonion.com & avclub.com, manage our small Web staff & think strategically about future direction. Must be able to communicate with technical & non-technical

staff & have insatiable desire to make things better,
Specify expertise:
PHP/MySQL/CSS/AJAX/Flash/
Video/IA/user testing.

E-mail resume, cover letter, & salary reqs to hiring@theonion.com

2006 Executive Council

President

Carolina Zingale

President-Elect

Kenneth Allendoerfer

Secretary

Karen Peio

Treasurer

Bonnie Kudrick

Nominations & Elections Chair

Ferne Friedman-Berg

Publications Chair

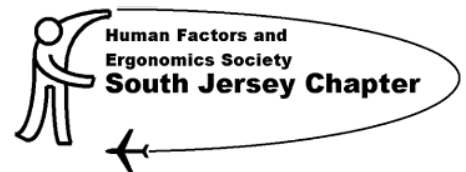
Todd R. Truitt

Program Chair

Gulshan Panjwani

Membership Chair

Anton Koros



<http://www.sjhfes.org/>

South Jersey HFES Chapter Membership and Renewal Application

For the Year 2006

Applicant Name: _____

New Member (*complete all fields*)

Renewal (*complete this section only*)

I am (a Fellow / a Full Member / an Associate Member / Not a Member) of the National HFES (*circle one*)

Organization/Company: _____

Mailing address: _____

Daytime phone: () -

Evening phone: () -

Fax number: () -

E-mail address: _____

Endorsing SJC-HFES Member: _____

SJC HFES dues for 2006 are \$10. Make checks payable to the "Human Factors Society." Submit applications and checks to:

Anton Koros
RDHFL Bldg 28
Wm. J. Hughes Technical Center
Atlantic City Int'l Airport, NJ 08405