

ELEVENTH ANNUAL SESUG CONFERENCE



The **SouthEast SAS Users Group** has spent the last decade sharing knowledge and providing a wonderful educational opportunity for SAS users of every level. Now, we're asking the people who use SAS every day – **YOU** – to join in this opportunity to share your knowledge and experience with other users in the region.

Join us as we go **"Back to the Beach"** for the 11th anniversary of the SouthEast SAS Users' Group conference! Our first conference was held waaaaay back in 1993, at the beautiful TradeWinds Island Grand Resort in St. Pete Beach, Florida. We've traveled the range from Norfolk to New Orleans since then; but for our anniversary, we wanted to go back to where we began. **All in all, we're planning a fabulous conference**; one where you'll be able to share ideas with SAS people from all over the region, get an incredible wealth of information for a fairly small investment of time, and have it all happen while you're having a great time on lovely St. Pete Beach. We're back at the beautiful **TradeWinds Island Grand Beach Resort, September 22nd through the 24th**. For the most current information and to register online, visit our website at www.sesug.org.

World-class recreational activities for you and the family, a beautiful venue on Florida's Gulf Coast, and over 130 planned presentations and papers should combine to make for a wonderful conference. **We want YOU to come and be a part of it!**



Operations Chair

Steve Noga
Rho, Inc.



Program Chair

Gary Schlegelmilch
U.S. Bureau of the Census

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PRELIMINARY CONFERENCE SCHEDULE

Here is a **preliminary** SESUG '03 schedule, including extra-fee pre- and post-conference training workshops. Please be aware this can change due to speaker changes or other things outside our control. We will be updating our website (www.sesug.org) with revisions to the presentation schedule, so check it out often. You'll receive a **final schedule** in the **Conference Program**, which is included in the materials you will receive when you visit the registration desk.

Saturday, September 20th, 2003

8:30 am – 12:00 pm	Workshop: Advanced SAS® Programming
8:30 am – 12:00 pm	Workshop: Introduction to Java for SAS Programmers: Part I
8:30 am – 5:00 pm	Workshop: Introduction to SAS/SQL
8:30 am – 5:00 pm	Workshop: Building and Applying Predictive Models Using the SAS System
1:30 pm – 5:00 pm	Workshop: SAS Essentials
1:30 pm – 5:00 pm	Workshop: Developing JAVA Applications – Part II

Sunday, September 21st, 2003

8:30 am – 12:00 pm	Workshop: SAS® Performance Tuning for Programmers
8:30 am – 5:00 pm	Workshop: Advanced SAS/SQL Topics
8:30 am – 5:00 pm	Workshop: Summarizing and Reporting Data Using the SAS System
12:30 pm – 5:00 pm	Baseball Package: <i>Tampa Bay Devil Rays vs New York Yankees</i>
1:30 pm – 5:00 pm	Workshop: Accurate Manipulation of Data Sets (Tricks, Traps, and Techniques)
1:30 pm – 5:00 pm	Salvador Dali Museum Package
1:30 pm – 6:00 pm	Conference Registration
5:00 pm – 6:00 pm	Presenters Meeting
8:00 pm – 10:00 pm	Welcome Reception

Monday, September 22nd, 2003

7:30 am – 6:00 pm	Conference Registration
8:00 am – 9:00 pm	Warm Up Session
8:00 am – 9:00 pm	Volunteers Meeting
9:00 am – 10:00 pm	Opening Session and Keynote Address
10:00 am – 12:00 pm	Concurrent Sessions <ul style="list-style-type: none"> ➤ Data Presentation ➤ Hands-On Workshops ➤ Intro to SAS ➤ Serendipity ➤ Statistics and Data Analysis ➤ Tutorials
10:00 am – 6:00 pm	SAS Demo Room
12:00 pm – 1:30 pm	Meet the Presenters Luncheon
1:30 pm – 5:30 pm	Concurrent Sessions <ul style="list-style-type: none"> ➤ Data Presentation ➤ Hands-On Workshops ➤ Intro to SAS ➤ Serendipity ➤ Statistics and Data Analysis ➤ Tutorials
5:00 pm – 6:30 pm	Mixer in SAS Demo Room
6:30 pm – 7:30 pm	SESUG 2004 Planning BOF
7:30 pm – ???	SESUG After Hours

Tuesday, September 23rd, 2003

7:30 am – 6:00 pm	Conference Registration
8:00 am – 12:00 pm	Concurrent Sessions <ul style="list-style-type: none"> ➤ Applications Development ➤ Hands-On Workshops ➤ Intro to SAS ➤ Serendipity ➤ Statistics and Data Analysis ➤ Tutorials
8:00 am – 6:00 pm	SAS Demo Room
12:00 pm – 1:30 pm	Meet the Presenters Luncheon
1:30 pm – 5:30 pm	Concurrent Sessions <ul style="list-style-type: none"> ➤ Applications Development ➤ Data Management ➤ Hands-On Workshops ➤ Serendipity ➤ Statistics and Data Analysis ➤ Tutorials
6:00 pm – 7:30 pm	Pyramid!
7:30 pm – ???	Blowout Luau

Refresh yourself – Beverages will be available all during the day Monday and Tuesday, and Wednesday morning.

Wednesday, September 24th, 2003

7:30 am – 11:00 pm	Conference Registration
8:00 am – 12:00 pm	Concurrent Sessions <ul style="list-style-type: none"> ➤ Applications Development ➤ Coders' Corner ➤ Data Management ➤ Training and Professional Development ➤ Tutorials
12:00 pm – 1:00 pm	Closing Session (with Door Prizes!) and Keynote Address
1:30 pm – 5:00 pm	Workshop: The Nitty-gritty of PROC REPORT
1:30 pm – 5:00 pm	Workshop: An Animated Guide©: Macro Quoting
1:30 pm – 5:00 pm	Workshop: Microsoft Office + SAS = High Impact SAS Output

Thursday, September 25th, 2003

8:30 am – 5:00 pm	Workshop: Manipulating Data with SAS Functions and Arrays
8:30 am – 5:00 pm	Workshop: The SAS Output Delivery System for Data Analysts and Statisticians

CONFERENCE OVERVIEW

WHY SHOULD YOU PLAN TO ATTEND SESUG?

"If a man empties his purse into his head, no one can take it away from him. An investment of knowledge always pays the best interest." – Benjamin Franklin

The most important thing to know is that we have worked hard to make **SESUG 2003** one of the most **cost-effective investments** possible of your travel and training budget. We have gone the extra mile in order to offer an educational experience that is second to none in the region. What do you get for your Registration fee?

- ❑ Access to over **130** academic **presentations** and **demonstrations**
- ❑ Access to the **Keynote** presentations and Mixers
- ❑ Access to the **SAS Demo and Vendor room**, where you'll have the opportunity to talk to representatives from SAS Institute, purchase SAS books at a sizable discount, and learn about SAS Partners
- ❑ Copies of the SESUG 2003 **Program** and **Proceedings**, both printed and CD versions
- ❑ Opportunities for **Pre- and Post-Conference educational workshops** for in-depth study of SAS topics
- ❑ The unique opportunity to network with lots of other SAS professionals, all interested in learning more about **SAS software!**



And of course, you'll have the opportunity to learn in a comfortable environment. We will cheerfully provide coffee service in the morning, beverages and snacks during breaks. We will offer a number of opportunities to meet and chat with our presenters and other professionals during social gatherings as well. All of this in the friendly environment of the **TradeWinds Island Grand Resort**, our host hotel.

WHAT, WHEN, AND WHERE



On your quest for **excellence in both information and entertainment**, **SESUG '03** is the place to be at the **TradeWinds Island Grand Resort** in **St. Pete Beach, Florida**. The conference officially starts on **Monday, September 22nd**, and runs through **Wednesday, September 24th, 2003**. Attendees may find it advantageous to arrive on Saturday due to "Saturday Stay" airfares and take advantage of some excellent **Pre-conference training opportunities on Saturday and Sunday**. You will also find sightseeing, museums, and shopping along beautiful St. Pete Beach within easy access from the conference hotel.



HOW DO I SIGN UP?

If you would like to join your peers in St. Pete Beach this September to discuss the latest in the world of SAS software, we encourage you to reserve your place as soon as possible. The Regular Registration Fee for SESUG '03 is **\$375**. But, if you register **before** August 1st, 2003, the fee is only **\$335...what a deal!**

Visit our **website at www.sesug.org**, or use the **Conference Registration Form** on pages 26&27, ***but Register Early!!***

The **Regular Registration** form and fee must be **postmarked by August 30th, 2003**. Any registrations postmarked after **August 30th** will be charged the On-Site registration fee of **\$425**. We will offer On-Site registration on a space-available basis. Please register early because we cannot guarantee that there will be sufficient *Programs, Proceedings*, etc. available for On-Site registrants. We regret that it is not possible to offer Single Day Registrations for SESUG '03. Fees are fully outlined on the Registration Form.

You can pay with a check, Visa, MasterCard, American Express, Discover, or Diner's Club. These are accepted on our website and by fax or mail. Check and money order payments must be mailed. ***Please do not send cash*** – we cannot be responsible for funds lost in the mail.



Guest Registration is \$50. This fee includes admittance to the Opening Session, receptions, and mixers; drink tickets; and SESUG memorabilia. Guests do not receive *Proceedings* nor may they attend presentations or enter the Demo Area, except during the mixer.

Full-time students and teachers may register for \$225 before July 31st, and \$275 up until August 30th. Proof of full-time student/teacher status must be provided to the Registrar via fax, or a copy with the paper registration, in order to qualify for the special rate. **No Academic discount requests will be accepted after August 30th, 2003.**

The Registration Form can be found on pages 26&27 of this Registration Guide.

After SESUG receives your Registration, we will send you additional information. This will include a confirmation of your payment and attendance, tourism information, and other appropriate information. And we'll be looking for you on **September 22nd**.

ACCOMMODATIONS

SESUG '03 has reserved a block of rooms for conference attendees at the **TradeWinds Island Grand Resort** (www.tradewindsresort.com) at the special SESUG '03 rate of **\$129 per night** for single or double occupancy and \$179 for a one-bedroom suite. These rates are available from September 16th thru September 27th. Each additional person 13 years of age and older will be charged an additional fee of \$15.00 per room, per night. Children 12 years of age and under are complimentary. The **TradeWinds Island Grand Resort** promises to provide an environment that encourages both productive days and restful nights.



To make hotel reservations:

- ❖ Call the TradeWinds Island Grand Resort Group Registration directly at 1-800-808-9833, or
- ❖ Fill out the form on page 25 of this Guide and mail or fax it directly to the TradeWinds Island Grand Resort.

Reserve your room early! Our special rates at the TradeWinds are only guaranteed until **August 29th**, or until our room block has been filled. After that, **if rooms are still available**, they will be available at the special SESUG rate. Also, a few rooms are available at the Federal and Florida government hotel rate of \$89; ID will be required at check-in.

Remember, when making ANY hotel reservations:

- ❖ Attendees are responsible for their own lodging arrangements and charges. SESUG '03 representatives cannot make hotel reservations for you.
- ❖ Identify yourself as a SESUG attendee.
- ❖ Make your reservations as soon as possible, to ensure that the SESUG '03 rate is still available.

Rates do not include applicable taxes, which are currently 11%, or parking.

Note: A major credit card or first night's room deposit is required to guarantee your reservation. Cancellations must be received by 4:00 pm EST, 48 hours prior to your scheduled arrival date to avoid billing.

An Explorer Value Pass (EVP), a nightly resort amenity fee, will be offered to SESUG guests upon check-in at an optional charge. Rates currently are \$8.00 for each hotel room and/or one-bedroom suite and \$17.00 for each multi-bedroom unit, plus applicable taxes (currently 11%). Benefits of the EVP are:

- Self Parking (valet \$6.00 per night additional)
- In-room safes
- Health Club
- Property recreation & cabanas (1 per room)
- Daily coffee/local newspaper
- Domestic in/out faxes
- Local, Credit Card, operator assisted access calls, and toll free calls
- Business Center/Internet access

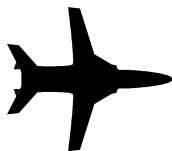


Should you not select the resort fee at the beginning of your stay, all of the above amenities will be available on a daily a la carte basis, which would include a self-parking fee of \$8.00 per day.

Valet parking at the TradeWinds Island Grand Resort for registered guests is currently \$14 per vehicle per day, which includes unlimited "in and out" privileges. Please note that this rate is accurate as of the publication of this Registration Guide. While we do not anticipate any changes prior to our conference, we cannot be responsible for changes in the parking rate. **Non-overnight drive-in guests** will be charged a parking rate of \$8.00 per day.

For complete information about the **TradeWinds Island Grand Resort**, its facilities and amenities, and the area, visit their website at www.tradewindsresort.com.

GROUND TRANSPORTATION



There are two major airports that serve the St. Pete Beach area. The **Tampa International Airport (TPA)** is about 30 miles from the TradeWinds Island Grand Resort, and is the largest airport serving the Tampa/St. Petersburg area. Visit their site at www.tampaairport.com. The **St. Petersburg-Clearwater International Airport (PIE)** is just off I-275, only minutes from downtown St. Pete Beach. Visit the airport's website at www.fly2pie.com for airport details. It's about a 20-mile ride down the Florida Gulf Coast.



Amtrak offers train service to Tampa, with a motorcoach connection to St. Petersburg; you can contact Amtrak at 1-800-872-7245 or www.amtrak.com.



SuperShuttle provides **shuttles** from the ground transportation islands outside the TPA terminal. Cost is \$32.00 per person, round trip, and \$26 for each additional person in the party. Call 1-800-282-6817 or 727-572-1111 for reservations, or go online at www.supershuttle.com.



Taxis cost approximately \$38, one-way from PIE, approximately \$52 from TPA. You can make cab reservations or arrange for a limo on the web, via www.taxicabsusa.com/Clearwater.

PRE- AND POST-CONFERENCE WORKSHOPS

SESUG is pleased to offer extra-fee pre- and post-conference training workshops before and after this year's conference. These sessions are given by **well-known SAS experts** selected by the SESUG conference leadership for their subject-matter knowledge and presentation skills, and provide a range of learning opportunities for SAS users at all experience levels. The discounted lodging rate at the TradeWinds is available for attendees who want to come early, or stay after, the SESUG conference to attend these events. Please see pages 19-24 for more information about these learning opportunities; use the Conference Registration Form on pages 26&27 to register for the workshops.

WARM-UP SESSION

Come find out what's in store for you at the conference before it begins. If you've never been to SESUG or if you just want a preview of things to come, join our 2004 conference chairs at **8:00 am Monday morning**. Imelda Go and Neil Howard, Chairs of SESUG 2004, will cheerfully give you an overview of the three-day conference, with hints on how to get the most out of your registration. Bring your questions, meet fellow attendees, and get pumped up to prepare for the Opening Session that follows.

OPENING SESSION & KEYNOTE ADDRESS

The official start of the conference will be on **Monday morning**, as the **TradeWinds Island Grand Resort** hosts the SESUG '03 Opening Session. Conference Chairs **Steve Noga** and **Gary Schlegelmilch** will introduce some of the key conference planners and discuss some of the activities of the next 3 days.



We are proud to announce that **David Shamlin, R&D Director of Base Table Services at SAS, Inc.**, will give this year's Opening Keynote Address. David will be helping us kick off SESUG '03 in style, presenting "**Walking the Intelligence Value Chain**".

David joined SAS Institute in 1987 as a member of the VMS Host group, where he helped develop low-level file systems. He also did a tour of duty with the SAS IO development team, becoming a pioneer in industry-standard data access interfaces to SAS data stores. David brings these experiences to his current role as R&D Director for Base Table Services where he leads the development of fundamental SAS technology related to the data step, Base

PROC's, the LIBNAME supervisor, data set and catalog IO, SAS/SHARE, and other client/server components related to SAS data access. David has a bachelor's degree in computer science from North Carolina State University.

WELCOME RECEPTION

Mingle with your fellow SAS associates on **Sunday evening** while you enjoy complimentary hors d'oeuvres and soft drinks. Relax and get reacquainted with folks you haven't seen since last year's SESUG. Guests of attendees are welcome, too. (Cash bar will be available for additional beverages.)



"MEET THE PRESENTERS" LUNCHEONS

Do you like to eat good food? Do you want an opportunity to spend time with the experts who are giving presentations at the conference? Then be sure to participate in the luncheon activities on **Monday and Tuesday**. SESUG '03 presenters will be hosting tables at a hotel restaurant, so you can feed the body, the mind, and the spirit. See the Registration Area for details as to when and where the presenter you'd like to see will be hosting a table.

MONDAY MIXER

SAS Institute will host an early evening mixer in the Demo Area following the presentations on **Monday afternoon**. We are hoping that this gathering will provide a comfortable "wind-up" to the day's activities and give everyone a chance to mingle with the SAS Institute staff and our sponsors in a relaxing, comfortable environment.

PLANNING SESSION FOR SESUG 2004

We want **your** ideas for next year! This is your opportunity to get involved in the planning of the 2004 conference. We will want to know what you liked - and didn't like - about this conference. After all, this is **your** conference! Tell the **2004 Conference Chairs, Neil Howard and Imelda Go**, what you want - and don't want - to see in 2004. We will also be looking for volunteers for next year's conference, which is planned for Nashville, TN. **So please plan to attend!** Check the schedule at registration for the exact time and place.

PYRAMID!

We are pleased to announce that we will be presenting our own version of the long-running TV game show, ***Pyramid!*** No, we're not promising Dick Clark or Donny Osmond; we can promise a ***fun-filled hour*** where local "celebrities" from SAS and the SESUG conference staff team up with attendees for ***chances to win prizes!*** Whether you play or watch; it should be an excitingly good time for all! If you would like to be considered as a contestant, please contact Deb Cassidy at deb.cassidy@cardinal.com.

SESUG YARD SALE

We will be hosting a **charity drive** at this year's conference, collecting for **HARC**, the Hillsborough Association of Retarded Citizens. We will be accepting gifts of books, for young and old; contributions of sports equipment for their Ability Park; and funds for landscaping, park benches etc. Ability Park is a fully accessible recreation park for people of all ages with developmental disabilities.

So how do we plan to raise funds? Well, in the hotel lobby, there will be a table full of souvenirs, books, and memorabilia from past conferences. **There are no price tags**; just select items you'd like, and make whatever you feel is an appropriate donation to HARC!

If you'd like to learn a little more about them, the **HARC website** is www.hillsarc.com.

SESUG EXHIBIT AND SAS DEMO ROOM

Be sure to visit the Demo Room, where you can:

- ❖ See demos of SAS software products.
- ❖ Register for valuable **giveaways**.
- ❖ Browse through new Institute documentation at the Publications Booth and order books at a special discount. The **Publications Booth** will be offering a **20% discount** on all SAS documentation ordered at SESUG '03 (certain restrictions apply).
- ❖ Stop by to meet SAS developers or ask questions of SAS service groups such as Publications, Technical Support, and Executive and User Events. **We welcome your feedback and input.**
- ❖ **Marc Vaglio-Laurin** will be on-hand to answer your questions about the **SAS Certification program**.
- ❖ Meet with **SESUG 2003 corporate sponsors**. Find out about their SAS related products and services.

(SAS Pub Ad)

CLOSING SESSION & KEYNOTE ADDRESS

We'll wish a fond farewell to SESUG '03 and St. Pete Beach on Wednesday during the Closing Session with a special Keynote Address. **The SESUG 2004 Chairs, Neil Howard and Imelda Go**, will give us a preview of what to expect when we reconvene in Nashville, TN, in October 2004. PLUS, there will be **door prizes**, including some great books from SAS Institute and a **free registration** to next year's conference. Most prizes require that the attendee be present at the Closing Session to win. **So be sure to be there!**

We are pleased and proud to have **Steven First of Systems Seminar Consultants, Inc.** help us close out SESUG '03! After the days of learning all sorts of ways users have provided SAS solutions, Steve will send us off with something to think about – the **“Unusual Uses of SAS”**.

Abstract: Our company has used SAS almost exclusively for many years and we feel that it is clearly the best software for many applications. This presentation will discuss uses of SAS that are not normally thought of, but for which SAS fits very well. This presentation will be of interest to all SAS users.

This presentation will discuss the following topics:

1. Conversion programs with SAS
2. Utility applications for programmers
3. Auditing other software packages with SAS
4. Production reporting systems with SAS
5. Source control with SAS
6. Cross-referencing data sources with SAS

Steven First is the President and owner of Systems Seminar Consultants, Inc. SSC is a Madison, Wisconsin based SAS consulting and training firm. Steve has been a SAS user, trainer, and consultant since 1976. He has worked as an application programmer, systems analyst, systems programmer, and systems trainer, and now specializes only in SAS software and interfaces related to SAS software.

SPONSOR PARTICIPATION

Sponsorship of the SESUG conference is extremely important and appreciated. There will be opportunities for representatives from companies offering products and services that complement the SAS System to be a part of SESUG '03. We are offering space in the *Conference Program* for advertisements as well as sponsorship for events and booth space in the Demo Area. In return for your investment, your company receives widespread recognition (and our undying gratitude). For details about the levels of sponsorship available, please contact our **Sponsorship Coordinator, David Maddox**. Dave can be reached at Bellsouth Telecommunications, Inc., South E3E, 3535 Colonnade Parkway, Birmingham, AL 25243, 205-977-0415 (voice), 205-977-8719 (fax), David.Maddox@Bellsouth.com.

VOLUNTEER OPPORTUNITIES AWAIT!!

SESUG conferences are run **entirely by volunteers** ... people like **YOU** who care to get involved. We need people to help in non-presentation ways during and before the conference. Volunteering is an easy way to meet your SAS colleagues either during the sessions or at the registration desk, and a great way to get more out of the conference! If you would like to help with any of these exciting tasks ☺, contact our **Volunteers Coordinator Brian Walsh**, 325 W. Gaines St. Room 1324, Tallahassee, FL 32399, Phone: 850-488-8597 ext. 159, Fax: 850-488-9763, Brian.Walsh@FIdoe.Org.

SESUG AFTER HOURS

Want to try out an area restaurant, but don't want to dine alone? **Then join some SESUG colleagues for dinner!** See the Registration Area for restaurant ads & menus and sign-up lists. Other activities may include an informal party at a local nightclub. Details will be posted on the website as they develop.

COOL STUFF TO DO

AT THE HOTEL

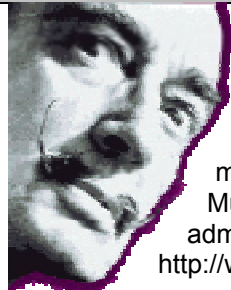
The TradeWinds Island Grand Resort offers countless amenities and activities. Among these, but certainly not limited to them are: 35 Acres of White Sand Beaches, Beach Cabanas, Volleyball, Five Swimming Pools (One Covered, One Kiddie, One Adult), Two Whirlpools, Water Trykes, Water sports - Parasailing, Snorkeling, Adventure Cruises, Waverunners, Water Skiing, Boat Rental and Fishing Charters. For your dining pleasure there are a number of choices: Palm Court, Tropic Treats Ice Cream Shoppe, Bermudas, Old Florida Shrimp Shack, Flying Bridge, Salty's Tiki Bar, B.R. Cuda's Sports Bar, Deli, Pizza Hut Express, Awakenings Coffee and Spirits Bar.

BASEBALL PACKAGE

Join some of your SESUG conference compadres for a **major league baseball game**. The New York Yankees will be in town for a series against the hometown Tampa Bay Devil Rays at Tropicana Field. Game time is 1:15 pm on **Sunday, September 21st**. The baseball package includes: roundtrip bus service between the TradeWinds and Tropicana Field (bus will depart the TradeWinds at 12:30 pm and return to the TradeWinds following the game), game ticket, a value meal consisting of hot dog, Pepsi, and Cracker Jacks, and a Devil Rays cap. Cost for this package is \$37.50.



SALVADOR DALI MUSEUM PACKAGE



Baseball not your idea of an enjoyable Sunday afternoon? Join other conference attendees on **Sunday, September 21st** for a guided tour of the world's most comprehensive collection of works by the late Spanish surrealist, including oil paintings, watercolors, drawings and over 1,000 graphics and sculptures right in St. Petersburg, Florida. Come see why the Michelin Guide gave the museum the only three-star rating on Florida's west coast. The museum package includes: roundtrip bus service between the TradeWinds and the Dali Museum (bus will depart the TradeWinds at 1:30 pm and return to the TradeWinds at 5:30 pm), admission ticket, and guided tour. Cost for this package is \$28.00. Get more info at <http://www.daliuniverse.com>.

AND BEYOND...

Just outside the hotel lie endless recreational and cultural opportunities. St. Pete Beach is a short distance from the cities of St. Petersburg and Tampa and is about 90 minutes from all major Central Florida attractions (Walt Disney World, Sea World, Universal Studios, etc).

The following are listed just to give you a sample of some of the nearby attractions. By no means do these represent all of the attractions:

Busch Gardens - Tampa 813-987-5082



This 300-acre African-themed family entertainment park offers thrilling rides, exotic shops, ethnic restaurants, live entertainment and animal shows. An air-conditioned monorail guides visitors through North America's largest wildlife collections and endangered species habitats. Anheuser-Busch provides a brewery tour and Hospitality House.

Adventure Island - Tampa 813-987-5660

22-acre seasonal waterpark featuring speed slides, bayou with floats, twisting flumes, waterfalls, wild ocean waves, sunbathing and picnic area, and outdoor cafe. Plan to stay for as long as you would stay at a pool or beach.

The Florida Aquarium - Tampa 813-273-4020

Demonstrating the fragile and astonishing world of Florida's diverse water habitats. The Florida Wetlands section includes a cypress swamp, sawgrass marshes, mangrove forests, and streams teeming with unusual fish. The bridge over the indoor beach and bay to the



Florida offshore area leads to a live coral reef and its colorful marine inhabitants. Interactive exhibits throughout.

The Salvador Dali Museum - St. Petersburg 727-823-3767

The world's largest collection of the Spanish surrealist's works, including oil paintings, watercolors, drawings and over 1,000 graphics and sculptures. (See tour package on previous page)

The Museum of Fine Arts - St. Petersburg 727-896-2667

Well known for its collection of French impressionist paintings, this museum also houses outstanding holdings of ancient, Asian, pre-Columbian, and American art including the largest photography collection in Florida.

Ybor City - Tampa

Tampa's National Historic Landmark District. Florida's Latin Quarter experience beckons you back to another era. Wrought iron balconies, globe streetlights, brick-lined walkways and the majestic architecture of cigar factories, social clubs and other unique buildings, provide a glimpse into an era rich with culture and history. Today, Ybor City is a shopping, dining and entertainment district where the ancient art of premium hand-rolled cigar making lives on.

Tarpon Springs - Tarpon Springs

Tarpon Springs is the "sponge capital of the world". Its lively sponge dock area, in the heart of the Greek community, is a mix of boats, boutiques, and bakeries. Strings of natural sponges sway in the breeze, and the sights, sounds, and sensuous aromas of an authentic Greek village fill the air.

And don't forget to sample the varied and delectable cuisine available at countless restaurants and cafes in the Tampa/St. Petersburg area!

(SAS Education Ad)



PAPERS AND PRESENTATIONS

This section lists the abstracts for papers and presentations received through mid-April 2003, and is therefore a **preliminary** list. They are presented in Section Name-Paper Number order. To the left of the title is the paper level (B) for Basic; (I) for Intermediate; (A) for Advanced) if known. The **final list** of presentations will appear in the **Conference Program**, which you will receive when you arrive at the conference and pick up your registration materials. Below is a brief description of each section that is on the following pages.

Application Development (AD)

The Applications Development section recognizes the role of SAS® software as a basis for the development of strategic applications and provides overviews of the application's code and the techniques used in its development. Presentations in this section deal with both the process and productivity tools used in the design, development, implementation and integration of enterprise solutions running in single or multi-platform environments. Presentations may include Web-enabled applications, object-oriented applications, modular applications or applications that integrate SAS software with other software products.

Coders' Corner (CC)

10-minute tutorials (1-2 pages) and 'how-to' talks on tips and techniques while using the SAS system. These brief tutorials on helpful hints in SAS can be the priceless gem you have been looking for to solve that pesky problem back at the office.

Data Management (DM)

Papers that tell how to deal with that pile of data. Topics will run the gamut of: collection and input, structure, validation, maintaining integrity, archiving, conversion between forms, warehousing and tracking of data.

Data Presentation (DP)

Papers for this section involve discussions of a variety of SAS tools and techniques for visually displaying your data, whether it's graphical output or a customized report. Topics in this section are geared toward conveying meaningful data in a visually effective manner, which clearly and concisely communicates information to the intended audience using tools such as SAS/GRAPH®, SAS/INSIGHT, the TABULATE and REPORT procedures, and the Output Delivery System (ODS).

Hands-On Workshops (HW)

Features SAS software experts to give workshop-style tutorials and provide the opportunity for attendees to practice using SAS software. These workshops are presented exclusively by Destiny. See page 18 for the list of workshops being offered.

Intro to SAS (IN)

This is a one-day section designed to sequentially guide new SAS users through the basics of SAS programming. Presentations introduce the basic concepts of using DATA and PROC steps. All presentations are given by experienced users with expertise in the specific area being presented.

Posters (PS)

The Posters section is about any and all uses of SAS software. It is different from other sections in that the medium for presentation is a visual display rather than a formal lecture. The Posters section is presentations that include graphics or source code or that can best be summarized in a few main points. Posters are on display throughout the conference with a presentation period for authors to discuss their works on a one-to-one basis with conference attendees.

Serendipity (SE)

Papers that do not fit well into the other categories, but are interesting and informative nonetheless. Presentations will encompass a variety of subjects, and promises to entertain and enlighten. Remember that feeling of discovering something that will solve that SAS problem? Webster's Dictionary calls it Serendipity!

Statistics and Data Analysis (SD)

Presentations in Statistics and Data Analysis cover statistical and data analysis techniques, including statistical procedures, methodologies and techniques for efficient data manipulation and preparation using the SAS System. Papers from many different industries are represented in this section and are geared toward a variety of audiences with a wide array of experience using the SAS System, from the beginner to the more advanced. Traditional DATA step programmers, statistical programmers and statisticians as well as others will find topics of interest here.

Training and Professional Development (TD)

As SAS professionals, we are all faced with how to best develop our skills in a dynamic and multi-faceted environment. Papers in this section address how to develop and hone the many skills needed to be effective professionals. These skills include how to collaborate and share knowledge, how to provide technical support and help to your user community, and how to hire and mentor staff.

Tutorials (TU)

In-depth explanations of a wide range of topics within the SAS System. Papers are designed to provide users at all levels of expertise with specific "how-to" tools presented in a step-by-step approach. Papers focus on one procedure or functional area or provide an initiation to some aspect of the SAS System. From the tutorial, attendees will gain a fundamental understanding of the topic and be able to immediately apply what they have learned to their jobs.

Pre- and Post-Conference Workshops (WW)

These are professional-level seminars on SAS subjects, presented in cooperation with SESUG 2003. We sponsor a limited number of half- and full-day workshops before and after the actual conference at the same site. Please see pages 19-24 for complete details.

APPLICATIONS DEVELOPMENT**Section Chairs:**

Jenine Eason
Autotrader.com
Atlanta, GA

Janet Stuelpner
Independent Consultant
New Canaan, CT

**Building Drill-down SAS® Applications**

Kirk Lafler, *Software Intelligence Corporation*, and Charles Edwin Shipp, *Shipp Consulting*

**SAS System on Network Appliance**

Dr. Darrell Suggs, *Network Appliance Inc.*

**The Revised NTP TDMS System**

Gabriel Cano & Kevin McGowan & Jean Orelieen, *Analytical Sciences Inc.*

**Developing and Deploying Java Applications Around SAS: What they didn't tell you in class**

Greg Barnes Nelson & Jeff Wright, *ThotWave Technologies, LLC*

**The Dataset Attribute Family of Classes**

Mark Tabladillo, *MarkTab Consulting*

**A Hiker's Guide to Web Development**

Steve James, *Centers for Disease Control and Prevention*

**Bulletproofing and Knowledge Encapsulation in Statistical Macros**

John K. Troxell, *Merck & Co., Inc.*

**A Journeyman's reference: The Writing for Reading SAS Style Sheet: Tricks, Traps, Tips, and Templates, from SAS-L Macro Maven**

Ron Fehd, *Centers for Disease Control and Prevention*

**A Hybrid Modeling Platform to meet Basel II Analytics in Banking**

Jeffery Morrision, *SunTrust Bank, Inc.*

**Information System for State Trauma Advisory Committee - An application of SAS/IntrNet**

Ms. Xiao Zhuang & Dr. Sharon Schiro, *University of North Carolina at Chapel Hill*

**Pinch of SAS, a Fraction of HTML, and a Touch of JavaScript Serve Up a Grand Recipe**

Jonah P. Turner, *U.S. Bureau of the Census*

**SAS Macros are the Cure for Quality Control Pains**

Gary McQuown, *Data and Analytic Solutions, Inc.*

**A Beginners Guide to Incorporating SAS Output into MS Office**

Vincent Del Gobbo, *SAS*

I
A**ODS for Microsoft Excel**

David Shamlin, SAS

B
I**Programming for Failure: When Programs Faw Down and Go Boom**Gary E. Schlegelmilch, *U.S. Bureau of the Census***CODERS' CORNER**

Section Chairs: Heidi Markovitz
Simply Systems
Key Biscayne, FL

Carla Mast
Independent Consultant
Sunny Isles Beach, FL

Musical Macros: A Soothing Solution for a Recurrent Data Step HeadachePhil d'Almada, *Rho, Inc.***Libname Start Your Engines**Janet E. Stuelpner, *Independent Consultant***Spreading the News: Using System Options**Deb Cassidy, *Cardinal Health***The Evolution of a Macro: Converting your SAS files to a Different Version**John C. Gober & Jana L. Smith & Debi Mullen, *U.S. Bureau of the Census***Using Super Efficient Bit Flags to Store Binary States in a Single Variable**Brett C. Peppe, *T-Mobile***%WL - a Custom Log Entry Macro**Brett C. Peppe, *T-Mobile***Create a Simple, Informative Summary from Proc T-Test Output**Jennifer Warner, *Marsh Affinity Group Services***How to Get What You Need, Part 1**Chris Toppe, *Independent Sector***How to Get What You Need, Part 2**Chris Toppe, *Independent Sector***Processing Large Lists of Variables and Parameters Using SAS Arrays and Macro Language**Eugene Tsykalov, *GlaxoSmithKline***Using the SAS system in Very Limited Time/Resource Environment**Milorad Stojanovich, *RTI International***Machine Reading of Warranty Claims for Classification**Robert McCurdy, *Mack Trucks***SAS Dating Tips - A Beginner's Guide to SAS Dates**Erik S. Larsen, *Independent Consultant***Advantages of PROC SCORE**Mark Tabladillo, *markTab Consulting***Using SAS Macro Language to Develop User-Written Functions**Deb Pine, *ThotWave Technologies, LLC***A "Real" Drill-Down Graph**Jenine Eason, *Autotrader.com*

DATA MANAGEMENT

Section Chair: Pam Reading
Rho, Inc.
Chapel Hill, NC

- B
I
A
New Technologies for Delivering Data to Internal and External Clients
 Sigurd W. Hermansen, *Westat*
- A
Data-driven Validation Rules: Custom Data Validation without Custom Programming
 Don Hopkins, *Ursa Logic Co.*
- B
A Technique for Storing and Manipulating Incomplete Dates in a Single SAS Date Value
 John Ingersoll, *Independent Consultant*
- I
Checking Datasets before Submitting Code
 Mark Tabladillo, *markTab Consulting*
- B
Automated Testing and Real-time Event Management: An Enterprise Notification System
 Greg Barnes Nelson & Danny Grasse, *ThotWave Technologies LLC*
- A
Demand for Analysis-Ready Data Sets: An Introduction to Banking and Credit Card Analytics
 Bikila bi Gwet, *VisualStat® Computing, Inc.*
- I
PROC SQL: Why Use It When Simple IF THEN Statements Work?
 Susan Myers & Inga Allred, *Research Triangle Institute*
- I
Using DDE and SAS/Macro for Automated Excel Report Consolidation and Generation
 Sandra Archer & Mengxi Li & Russell Denslow, *Sodexo USA*
- A
Building Efficient State Transition Diagrams from Transactional Data
 Brett C. Peppe, *T-Mobile*

DATA PRESENTATION

Section Chair: Erik Larsen
Independent Consultant
Charleston, SC

- I
Special Education Practice and Policy: What Principals Know and Need to Know
 Dr. Wendy Dickinson & Dr. Janice Knopp & Dr. Janice Fauske, *University of South Florida*
- A
Pivoting Data. An Alternative to ACROSS Variables of the REPORT Procedure
 Bikila (Kila) bi Gwet, *VisualStat® Computing, Inc.*
- A
Credit Card Portfolio Performance Assessment. A Case of Business Intelligence
 Bikila (Kila) bi Gwet, *VisualStat® Computing, Inc.*
- I
SAS/Intrnet and Census Mapping: How Low Would You Like to Get?
 Lakshmi Pandey & William Joseph Smith & David Sjoquist, *Georgia State University*
- I
Using SAS and Other Tools to Move an Institutional Research (IR) Office from Hardcopy Reporting to a Web-Based Environment
 Sabrina L. Andrews & Evangeline Collado & Patricia Ramsey, *University of Central Florida*
- I
Bookmarks, Links, and it looks great printed too, Come in and see what ODS PDF can do for you!
 Kevin Delaney, *Northrop-Grumman Mission Systems*

- I **Tedious Template Made Easy**
Cindy Stroupe, *Inveresk Research*
- I **Enterprise Reporting through the SAS V9.1 Business Intelligence Architecture**
Jeff Shaughnessy, *SAS*
- I **Building a Web-based EIS for Data Analysis**
Ed Confer, *KGC Programming Solutions*

INTRO TO SAS

Section Chair: Neil Howard
Ingenix Pharmaceutical Services
Basking Ridge, NJ

- B **SAS, Scalability, and Parallelism**
John Bentley, *Wachovia Bank*
- B **Do You Want to Know a Secret (or Two)?**
Chris Toppe, *Independent Sector*
- B **Choosing and Using Base SAS® PROCs**
Debbie Buck, *D. B. & P. Associates*
- B **Fun With Functions**
Marje Fecht, *Prowerk Consulting*
- B **How SAS Thinks**
Neil Howard, *Ingenix Pharmaceutical Services*
- B **The Elements of SAS Programming Style**
Frank Dilorio, *CodeCrafters, Inc.*
- B **Working with SAS Date and Time Functions**
Andrew Karp, *Sierra Information Services, Inc.*
- B **A Gentle Introduction To SAS/GRAPH**
Ben Cochran, *Bedford Group*
- B **Passing Along SAS Data - SET, MERGE, and UPDATE**
Andrew T. Kuligowski, *Nielsen Media Research*
- B **Testing, Debugging, and the SAS LOG**
TBD

POSTERS

Section Chairs:	Imelda Go South Carolina Department of Education Columbia, SC	Gary McQuown Data and Analytic Solutions Fairfax, VA
------------------------	---	--

- I **SAS to EXCEL: An Integrated Reporting System**
Fran Cohen, *Westat*
- B
- I **UltraEdit--THE EDITOR for SAS Programming**
- A
Eugene Tsykalov, *GlaxoSmithKline*

- B**
I
A
An Overview of SAS Certification and the Test Development Process
Linda Althouse & Marc Vaglio-Laurin, *SAS*
- I**
Developing a Marketing Geographic Segmentation System Using SAS Software
Allison N. Freeman & Kellie M. Poulin, *Marsh Affinity Group Services*
- B**
I
A
Tips for Running Simulations in SAS
Dr. Dave Dickey & Sandy Donaghy & Joy Smith, *North Carolina State University*
- I**
Dynamically Assigning TREPLAY Statements for Producing Multiple Plots Per Page
Alice Lail & Karen Wade, *Rho, Inc.*
- B**
What is Missing in SAS?
Imelda Go, *South Carolina Department of Education*
- I**
Creating an Intranet Toolbox of Selective Oracle Metadata
John C. Gober & Jana L. Smith & Debi Mullen, *U.S. Bureau of the Census*
- I**
Data Acquisition Portal (DAP): Web Based Data Collection Application
Christina Carty & Linda Linzy & Norman Oals & Elizabeth Spence, *VA Cooperative Studies Program Coordinating*, and Reuben Richards, *SAS, Inc.*

SERENDIPITY

Section Chairs: Debbie Buck D. B. & P. Associates Houston, TX	Marje Fecht Prowerk Consulting Cape Coral, FL
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Data Step Hieroglyphics - ?*)&: @|_ % { }
Harry Droogendyk, *Stratia Consulting, Inc.*

- I**
SAS in the Office - IT Works
Peter Eberhardt, *Fernwood Consulting Group, Inc.*

A Table-Driven ODS Macro
Diane E. Brown, *eXponential Systems*

Dynamic SAS Programming Techniques, or How NOT to Create Job Security
Suzanne McCoy & Lucid Analytics & Steven Beakley, *Independent Consultant*

- I**
The Sublime Secrets of the SAS SQLheads
Sigurd W. Hermansen, *Westat*

“LAG with a WHERE” and other DATA Step Stories
Neil Howard, *Ingenix Pharmaceutical Services*

A Sampler of Code Techniques
Ian Whitlock, *Westat*

Using an Array as an IF Switch
Ed Heaton & Nazik Elgaddal, *Westat*

Pruning the SASLOG - Digging into the Roots of NOTES, WARNINGS, and ERRORS
Andrew T. Kuligowski, *Nielsen Media Research*

B
I
A

Keeping Up With the FUN: New Functions in SAS 9

Deb Cassidy, *Cardinal Health*

I

Version 9 Data Migration: How to do it and know you've done it right

Diane Olson, *SAS*

That's my Style

Himesh Patel & Jeff Cartier, *SAS*

Documentation Standards using SAS at the United States General Accounting Office

Mitchell B. Karpman, *USGAO*

Charting a Course through Your Data and Procedures: Bar, Flow, Gant, Histogram, Process, Pie and so many others.

Gary McQuown, *Data and Analytic Solutions*

Easy and Simple Job Tracking

Phil Busby, *Independent Consultant*

Behind the Scenes at SAS-L

Joe Kelley, *University of Georgia*

STATISTICS AND DATA ANALYSIS

Section Chairs:

John C. Gober
U.S. Bureau of the Census
Washington DC

Jennifer Waller
Medical College of Georgia
Augusta, GA

I

An Introduction to Genomics and SAS Scientific Discovery Solutions

Susan Flood, *SAS*

I

An Algorithm for Screening of Genes and Clusters from Microarray Experiments

James Blum, *University of North Carolina at Wilmington*

I

Management of CABG Patient Mortality Using SAS Logistic Regression by Cohorts: Age, Sex and Cleveland Clinic defined risk Factors Five years of data and analysis compressed onto a 3 X 5 pocket guide

Lucinda Jenkins & Bing Dao Li & Mike Mueller & and Steve Adzima, *BJC North Region @Christian Hospital NE*

I

EFFECT_CI: A SAS Macro for Constructing Confidence Intervals Around Standardized Mean Differences

Melinda Hess & Jeffrey Kromrey, *University of South Florida*

I

Using the SAS® System to Construct n-Values Plots

Peter Wludyka & Amy Cox, *University of North Florida*

I

Comparison of PROC MIXED and PROC GLM for Analysis of Repeated Measures Data

Hossein Yarandi, *University of Florida*

I

Too Many Choices! The IMPORTANCE of Rank-Ordering Independent Variables Prior to Exploratory Data Analysis

Gregg Weldon, *Sigma Analytics & Consulting, Inc.*

I

Methods of Dealing with Values Below the Limit of Detection Using SAS

Carry Croghan & Dr. Peter Egeghy, *U.S.-EPA*

- I** **A SAS Macro to Design Phase II Clinical Trials**
Alan Cantor, *Moffitt Cancer Center*
- I** **Identifying Person Duplicates of Short Geographic Distance by Computer Matching**
Vincent T. Mule, *U.S. Bureau of the Census*
- I** **An Interactive Approach to Multiple Comparison Procedures**
Peter Davis, *U.S. Bureau of the Census*
- I** **METAPERM: A SAS Macro for Permutation Tests of Linear Models in Meta-analysis**
Jeffrey D. Kromery & Kristine Y. Hogarty, *University of South Florida*
- I** **An Analysis Tool for Reviewing Farm Economic Data Using SAS /AF®**
Van Johnson, *U.S. Bureau of the Census*
- I** **Statistical Analysis of Genotype X Environment Interaction in Agricultural Research**
K. Bondari, *University of Georgia, Tifton*
- I** **Missing Data Values: Analyzing their Effects on Rainfall Forecasts Using PROC EXPAND and the SAS® Time-Series Forecasting System**
Richard March, *South Florida Water Management District*
- B** **Preparing Data using SAS for Paired Sample Comparison in Epidemiology Research**
Wei Zhao & Hua Li, *University of Miami*
- I** **Developing a Marketing Geographic Segmentation System Using SAS® Software**
Kellie M Poulin & Allison N. Freeman, *Marsh Affinity Group Services*

TRAINING AND PROFESSIONAL DEVELOPMENT

Section Chair: Joy Smith
North Carolina State University
Raleigh, NC

- I** **SAS's Resources for Learning**
Michele Ensor, *SAS*
- B** **Efficient Way to Learn SAS with Virtually No Cost**
Mirjana Stojanovic, *Statistical Programmer*
- I** **SAS Consultants: Sheep in Wolf's Clothing**
Gary McQuown, *Data and Analytic Solutions*
- I** **SAS Tip, An Affordable Alternative to Traditional SAS Training**
Erin Christen, *STATPROBE*
- I** **Ten Things I Wish I Knew Before I Became a SAS Software Consultant**
Andrew Karp, *Sierra Information Services, Inc.*
- I** **So You Want to Write a paper? That paper about Writing a Paper**
Dianne Rhodes, *Westat*

TUTORIALS

Section Chairs: Edward Heaton
Westat
Rockville, MD

Ian Whitlock
Westat
Rockville, MD

- I** **Dare to Compare - Tailoring PROC COMPARE Output**
Maria Reiss, *Wyeth*
- B** **SAS Formats: Uses and Abuses**
Carry Croghan, *U.S. Environmental Protection Agency*
- I** **Am I Evil?: Proc Template Exposed!!!**
Kevin Delaney, *Northrop-Grumman Mission Systems*
- A** **Greetings from the Edge - Using javaobj in DATA Step**
Richard A. DeVenezia, *Independent Consultant*
- I** **Dictionary Tables: Essential Tools for Serious Applications**
Frank Dilorio, *CodeCrafters, Inc.*, and Jeff Abolafia, *Rho, Inc.*
- A** **Table Lookup By Direct Addressing: From V8 To V9**
Paul Dorfman, *Independent Consultant*
- B** **A Peek at PROC DOCUMENT**
Andrew H. Karp, *Sierra Information Services, Inc.*
- I** **An Animated Guide: Proc Report: The File Behind the Scenes**
Russell Lavery, *Independent Consultant*
- A** **Contrasting programming techniques for summarizing voluminous SAS output using the SAS Output Delivery System(ODS)**
Stuart Long & Lawrence P. Park, *Westat*
- I** **Getting What You Want Out Of A Many-to-Many Merge**
Sonal R. Pathak & Shabnam Mehra, *University of South Florida*
- I** **Using SAS and Other XML Tools Effectively**
Scott E. Chapal, *Ichauway, Inc.*
- I** **How Regular Expressions Really Work**
Jack Shoemaker, *ThotWave Technologies, LLC*
- A** **How to Implement the One-Time Methodology**
Mark Tabladillo, *markTab Consulting*
- A** **SAS® MACROS: Tips, Techniques, and Examples**
Andrew M. Traldi, *Advanced Quantitative Solutions, Inc.*
- A** **Excel Exposed: Using Dynamic Data Exchange to Extract Metadata from MS Excel Workbooks**
Koen Vyverman, *SAS Institute - the Netherlands*
- I** **Creating a Compact Columnar Output with PROC REPORT**
Walter R. Young, *Wyeth*
- B** **The Utter Simplicity and Power of the TABULATE Procedure**
Dan Bruns, *Tennessee Valley Authority*



HANDS ON WORKSHOPS

Section Chair: Phil d'Almada
Rho, Inc.
Chapel Hill, NC

Presented by



Providers of SAS Software Training and Consulting all over the United States

There is NO additional fee for these Workshops!

There will be plenty of seats for everyone ... no tickets will be issued.

All workshops are 80 minutes long. **DO NOT** contact Destiny to sign up for these workshops!

Macros - Basic

Get hands-on experience using macro variables and macro statements such as call symput and symget, %macro, %mend, and %let. Learn to write macros, to "macro-tize" existing code, and to make your programs simpler and more efficient.

Macros - Intermediate

We will practice intermediate uses of the macro language in SAS. These include interaction between the data step and SAS macro language, dynamic creation of programs (which write themselves based the incoming data!), use of DO/%END loops, and advanced SYMPUT/SYMGGET techniques.

Version 9 ODS (Output Delivery System) – Basics

Learn basic ODS concepts. Creation of HTML, RTF, PDF, JAVA and ActiveX output will be presented. Learn how to change basic style attributes from Proc Print and Proc Tabulate output. Also learn how to create output data sets from any SAS procedure.

Version 9 ODS – Intermediate

Expand your understanding of ODS. Learn the capabilities of in-line formatting, how to create hyperlinks, and basic Proc Template syntax. Use Proc Template to modify an existing template.

Multithreading Applications in Version 9.1

This workshop will explain and set up a multi-threaded environment to make access to data faster. This technique is very useful when processing large SAS datasets in more advanced server environments.

Moving SAS Information to Word/Excel using DDE

We will demonstrate how to move data from SAS to external applications such as Word or Excel. Hands-on DDE applications will be built, including examples of moving data back into your SAS application from an external interface. Learn about triplets and the intricacies of "real time" and dynamic updates.

Merge Processing and Alternative Table Lookup Techniques

Build your SAS tool kit with this demonstration of different techniques for combining files without sorting. Topics will include Merge, Format, Index, SQL, macro and arrays.

*Destiny Corporation is a provider of SAS Software training and consulting to Fortune 500 companies, small businesses, and government organizations across the United States.
Our mission is to enable our clients to achieve their goals through technology.*

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Wethersfield, CT 06109-2379 USA
Phone: 800-7TRAINING Fax: 860-721-9784

Email: info@destinycorp.com Web Site: www.destinycorp.com



PRE- & POST-CONFERENCE WORKSHOPS

Section Chairs: **Deb Cassidy**
Cardinal Health
Dublin, OH

Mal Foley
University of NC at Chapel Hill
Chapel Hill, NC

Adding pre- and post-conference seminars **enhances your SESUG conference experience** by giving you the opportunity to receive instruction from well-known SAS experts, on a wide variety of topics, at reasonable rates. And, the discounted lodging rate at the conference hotel is available if you need to extend your stay in St. Pete's Beach to attend the workshops. The SESUG conference leadership has selected these instructors based on their subject matter expertise, presentation skills, and enthusiasm for teaching others about SAS. The table below shows the wide array of learning opportunities available by attending these sessions. Descriptions of the workshops are on the following pages, and instructor profiles are on page 24. You can register for these sessions when you register for the SESUG '03 conference by using the Conference Registration Form on pages 26&27 or register online at www.sesug.org. Tuition, which includes a copy of the workshop materials and morning/afternoon refreshments, is \$250 per person for the full-day seminars and \$125 for the half-day seminars.

Attendees at the workshops who do **not** also register for SESUG '03 are charged an additional \$25 per person.

SESUG and the instructors reserve the right to cancel these classes. If a class is cancelled, the sole liability of SESUG and/or the instructors is a refund of fees paid for the cancelled seminar, and they are **NOT** liable for special or consequential damages arising from the cancellation.

Saturday, September 20th, 2003

<u>Time</u>	<u>Instructor</u>	<u>Title</u>
8:30 am – 12:00 pm	Kirk Lafler	Advanced SAS® Programming
8:30 am – 12:00 pm	Greg Barnes Nelson	Introduction to Java for SAS Programmers: Part I
8:30 am – 5:00 pm	Andrew Karp	Building and Applying Predictive Models Using the SAS System
8:30 am – 5:00 pm	Ben Cochran	Introduction to SAS/SQL
1:30 pm – 5:00 pm	Greg Barnes Nelson	Developing JAVA Applications – Part II
1:30 pm – 5:00 pm	Neil Howard	SAS Essentials

Sunday, September 21st, 2003

8:30 am – 12:00 pm	Kirk Lafler	SAS® Performance Tuning for Programmers
8:30 am – 5:00 pm	Ben Cochran	Advanced SAS/SQL Topics
8:30 am – 5:00 pm	Andrew Karp	Summarizing and Reporting Data Using the SAS System
1:30 pm – 5:00 pm	Mal Foley	Accurate Manipulation of Data Sets (Tricks, Traps, and Techniques)

Wednesday, September 24th, 2003

1:30 pm – 5:00 pm	Russell Lavery	An Animated Guide©: Macro Quoting
1:30 pm – 5:00 pm	Mal Foley	The Nitty-gritty of PROC REPORT
1:30 pm – 5:00 pm	Bernadette Johnson	Microsoft Office + SAS = High Impact SAS Output

Thursday, September 25th, 2003

8:30 am – 5:00 pm	Ben Cochran	Manipulating Data with SAS Functions and Arrays
8:30 am – 5:00 pm	Andrew Karp	The SAS Output Delivery System for Data Analysts and Statisticians

Advanced SAS® Programming

Instructor: Kirk Paul Lafler, Software Intelligence Corporation

When: Saturday, Sep 20th, 8:30-12:00 pm

Abstract: SAS users who have acquired basic skills presented in a SAS Software Basics course and want to expand their knowledge in the DATA step as a programming language will want to attend the Advanced SAS Programming Techniques seminar. This seminar presents complex programming topics and techniques in the areas of data access, data manipulation, data management, data presentation, and much more. Topics include DATA step programming techniques including reading a variety of file formats; using column and line pointers; specifying system and language options; coding loops, ranges, and arrays; using operators and modifiers; testing and debugging techniques; reshaping columns of data; techniques on managing data; custom report writing techniques; integrating ODS for improved output; and much more.

Recommended Background: Minimum 1-year Base-SAS programming experience

Intended Audience: SAS programmers who wish to expand their knowledge about Base SAS

Materials Provided Attendees: Course Notes

Introduction to Java for SAS Programmers

Instructor: Greg Barnes Nelson, ThotWave Technologies, LLC

When: Saturday, Sep 20th, 8:30-12:00 pm

Abstract: Java is one of the hottest programming languages around and promises to be even more exciting as the SAS System migrates away from its proprietary SCL language to the standards-based Java language. Today, SAS programmers can take advantage of Java applications – both client and server-side - for exploiting SAS data and analytic services. This course is designed for SAS programmers who want to understand not only the fundamentals, but also its importance, uses, strengths and weaknesses.

This is the first of a two-part course. In this workshop, we will lay the groundwork for Java by writing practical programs that build on some fundamental concepts. Here, participants will learn the basics of the Java language and how it relates to OO programming and the Object Model. This course has been carefully designed with SAS programmers in mind and should provide a framework for further study for those wishing to move on to professional Java programming environments.

This course is not designed as a hands-on course, but examples will be provided for hands-on experience at home. Special attention will be made to making this a thought-provoking seminar where participants will learn how to start thinking in objects and apply their skills in developing SAS and Java applications.

Recommended Background: Exposure to web browsers, HTML and SAS. Experience with a programming language is essential. Some exposure to object oriented concepts is a plus.

Intended Audience: This course is designed for SAS programmers wishing to understand what Java has to offer as a programming language.

Materials Provided Attendees: Participants will be provided with a course handout, which will include all of the presentation materials, as well as take-home exercises for hands-on experience with the Java language. In addition, each participant will have the opportunity to download all of the examples provided in the course.

Building and Applying Predictive Models Using the SAS System

Instructor: Andrew Karp, Sierra Information Services, Inc.

When: Saturday, Sep 20th, 8:30-5:00 pm

Abstract: This one-day course gives attendees an intensive introduction to building and applying logistic regression models using the most recent versions of SAS System Software. You will learn how to use key features of PROC LOGISTIC to create and interpret the results of predictive statistical models where the dependent (outcome, or target, variable) is dichotomous rather than continuous. At the end of the course, you will be able to use PROC LOGISTIC (and other SAS procedures) to build and interpret the results of this increasingly popular form of predictive modeling technique. This course also shows you the key enhancements to PROC LOGISTIC, as well as how to use the Output Delivery System (ODS) in conjunction with PROC LOGISTIC to aid in the model building and interpretation process.

Recommended Background: This course assumes knowledge of key SAS system concepts such as data set, procedure, observation, variable, label and format. The course also assumes knowledge of statistical concepts such as independent and dependent variable, slope, intercept, confidence interval, null and alternative hypothesis and p-value.

Intended Audience: This course is appropriate for researchers, programmers, analysts, technologists and other SAS Software users in scientific, corporate, and governmental settings who meet the prerequisites. It is also useful for those who want to learn about the new features of PROC LOGISTIC added in the latest release of the SAS System.

Materials Provided Attendees: Course notes

Introduction to SAS/SQL™ Programming

Instructor: Ben Cochran, The Bedford Group

When: Saturday, Sep 20th, 8:30-5:00 pm

Abstract: This one-day session shows you the core elements of PROC SQL, a BASE SAS procedure that allows you to use the Structured Query Language to extract observations from data sets, create reports and analyses from data sets, and to create new data sets (tables). Attendance at this seminar gives you a thorough understanding of the SQL

Procedure and how you can apply its features to your data. By the end of this seminar, you will know how to write and execute SQL-based queries on your data sources, create new tables, join two or more tables together and how to use VIEWS to extract data from tables.

Recommended Background: The materials presented in Introduction to SAS/SQL Programming build on your knowledge of basic SAS Software concepts such as Data Step, Procedure Step, variable (column) and observation (row) and is therefore most appropriate for attendees who have at least a basic exposure to the SAS System's data processing capabilities.

Intended Audience: Beginning to intermediate SAS programmers interested in learning to exploit the capabilities of SQL on their SAS data sets, as well as when working with other RDBMS tables using SAS/ACCESS Software. It is also an appropriate event for people who already know how the Structured Query Language is implemented in other products who want to see how it is applied in the SAS System.

Materials Provided Attendees: Course notes.

SAS Essentials Workshop

Instructor: Neil Howard, Ingenix Pharmaceutical Services

When: Saturday, Sep 20th, 1:30-5:00 pm

Abstract: *The theme of this workshop is "easy in, easy out". It will provide attendees with a basic toolkit that will cover "how SAS thinks" when you are:*

-- Getting Data In

-- Getting Code and Data in Shape

-- Getting Information Out

Attendees can expect to learn enough SAS to be dangerous and know how to approach programming projects next week at the office and be productive right away.

Recommended Background: No experience necessary

Intended Audience: Anyone new to SAS or needing a refresher on the basics

Materials Provided Attendees: Course notes, suggestions on presentations to attend during the conference.

Developing Java Applications

Instructor: Greg Barnes Nelson, ThotWave Technologies, LLC

When: Saturday, Sep 20th, 1:30-5:00 pm

Abstract: *Java is one of the hottest programming languages around and promises to be even more exciting as the SAS System migrates away from its proprietary SCL language to the standards-based Java language. Today, SAS programmers can take advantage of Java applications – both client and server-side - for exploiting SAS data and analytic services. This course is designed for SAS programmers who want to understand not only the fundamentals, but also its importance, uses, strengths and weaknesses.*

This is the second of a two-part course in Java for SAS Programmers. In this section, participants will apply what they learned about the Java language, Object Oriented Programming and Web technologies to actually design and build a functional application using AppDev Studio (SAS' Development environment for Java applications). Here, we will develop a series of reusable objects that can be used to access SAS datasets, submit SAS programs, display results in both graphical and textual formats and even create a data entry screen using WebAF.

In addition, some attention will be given to issues of security and architectures and choices of technologies when implementing Java applications.

This course is not designed as a hands-on course, but examples will be provided for hands-on experience at home.

Recommended Background: Exposure to web browsers, HTML and SAS Note: Part I of this seminar is *highly* recommended as we will build on the programs developed in the first section to help develop the application that will be written in the second part.

Intended Audience: This course is designed for SAS programmers wishing to understand what Java has to offer as a programming language.

Materials Provided Attendees: Participants will be provided with a course handout, which will include all of the presentation materials, as well as take-home exercises for hands-on experience with the Java language. In addition, each participant will have the opportunity to download all of the examples provided in the course.

SAS® Performance Tuning for Programmers

Instructor: Kirk Paul Lafler, Software Intelligence Corporation

When: Sunday, Sep 21st, 8:30-12:00 pm

Abstract: *As SAS® Software becomes increasingly more popular among programmers and end-users; guidelines for its efficient use are critical. This seminar presents numerous tips and tricks to control and manage program execution, I/O, memory, disk space, and program maintenance. A collection of proven techniques and code are presented to illustrate numerous practical methods for gaining efficiency while using SAS Software.*

Recommended Background: Minimum 1-year SAS programming experience

Intended Audience: All SAS users

Materials Provided Attendees: Course Notes

Advanced SAS/SQL™ Programming

Instructor: Ben Cochran, The Bedford Group

When: Sunday, Sep 21st, 8:30-5:00 pm

Abstract: *This one-day seminar builds on the concepts and techniques presented in the Introduction to SAS/SQL Programming seminar. Using the design and implementation of a Customer Data Mart as an example, this session shows you advanced tools and capabilities in PROC SQL that add even more power and flexibility to your programs and applications.*

Recommended Background: Some experience with PROC SQL such as the Introduction to SAS/SQL Programming workshop. Core SAS System concepts such as data set, data step, index, and merge. Familiarity with key Structured Query Language terminology.

Intended Audience: SAS users needing more in-depth knowledge of SQL

Materials Provided Attendees: Course notes

Summarizing and Reporting Data Using the SAS® System

Instructor: Andrew H. Karp, Sierra Information Services, Inc.

When: Sunday, Sep 21st, 8:30-5:00 pm

Abstract: *This one-day course gives an intensive exposure to key SAS System features for preparing summaries and reports of information contained in SAS data sets. You will learn how to use PROCs MEANS, PRINT, FREQ, UNIVARIATE, REPORT and TABULATE to create effective reports and tables, as well as how to prepare your data for use by these procedures. The course emphasizes how to use SAS System data reporting and summarization tools which create effective and appealing reports and tables while reducing the amount of programming coding required to carry out the steps necessary to create the desired output.*

Recommended Background: The materials presented assume attendees are familiar with basic SAS Software concepts such as data step, procedure step, variable, observation, label, format and function.

Intended Audience: This course is appropriate for programmers, analysts and other SAS Software users in corporate, as well as governmental, settings and is designed for the beginning to intermediate SAS Software user.

Materials Provided Attendees: You will receive a copy of the copyrighted course notes that contain all examples presented in class, including sample SAS programs.

Accurate Manipulation of Data Sets (Tricks, Traps, and Techniques)

Instructor: Malachy J. Foley, University of North Carolina at Chapel Hill

When: Sunday, Sep 21st, 1:30-5:00 pm

Abstract: *The most overlooked source of data error is the area of combining and manipulating SAS data sets. This seminar discusses over 28 common errors in merging, combining, or otherwise manipulating data. All of these errors result in erroneous data. Many of them occur with no SAS message or warning! In addition to examining errors, the seminar covers a wide range of topics needed to accurately obtain data for analysis. These topics include interleaving, subsetting, concatenation, check digits, BY-variable processing, the IN=data set option, DATA Step logic, the FIRST.variable, program data vectors(PDV), Cartesian products, one-to-one merges, match merges, and fuzzy merges.*

The seminar starts with the basics and continues to build to complex and tricky examples of data set manipulation. During the seminar, questions are encouraged. The only prerequisite for the course is a working knowledge of the SAS DATA Step. Yet, this seminar will give intermediate and advanced programmers a great review and some surprises. Come see what mysteries lurk in manipulating SAS files!

Recommended Background: Working knowledge of SAS DATA Step

Intended Audience: Anyone who merges, combines, or otherwise manipulates SAS data sets.

Materials Provided Attendees: 80-page book

An Animated Guide©: Macro Quoting

Instructor: Russell Lavery, Independent Contractor

When: Wednesday, Sep 24th, 1:30-5:00 pm

Abstract: *Animation of the SAS supervisor, macro table and macro catalog has proven to be a very effective mechanism to communicate the complex process of macro quoting. This presentation uses an animated map of the SAS system to SHOW the details of macro quoting and makes understanding this complex process much easier. Since macro quoting is used to modify the actions of the macro processor, this presentation is also an in-depth review of the functioning of the macro processor. It covers: a review of the SAS macro system, the three SAS compilers and the three SAS executors, Tokens acting as rule triggers, locations in the SAS supervisor that trigger rules, a review of macro rules, %str, %NRStr, %quote, %Bquote, %Nrquote, %NRBQuote and %superq.*

Recommended Background: 6 months of Macro use and an interest in macro quoting

Intended Audience: Intermediate/advanced SAS programmers

Materials Provided Attendees: Attendees will receive all the code and important slides used in the presentation.

The Nitty-gritty of PROC REPORT**Instructor:** Malachy J. Foley, University of North Carolina at Chapel Hill**When:** Wednesday, Sep 24th, 1:30-5:00 pm

Abstract: Many people shy away from PROC REPORT because of its mysterious defaults. Or put another way, REPORT acts differently than other SAS PROC's. However, once you see how REPORT works, you may never want to go back to other PROC's. PROC REPORT does the yeoman's work of PROC PRINT, SORT, FREQ, MEANS, and TABULATE, and PUT-Statement Formatting (DATA_NULL_) all in one procedure.

This workshop, through examples, completely examines how to produce listings with batch-mode PROC REPORT. That is, the workshop thoroughly looks at the PRINT, SORT and DATA_NULL_ aspects of PROC REPORT. The workshop also introduces the FREQ, MEANS and TABULATE aspects of report.

Recommended Background: Working knowledge of SAS DATA Step**Intended Audience:** Anyone interested in Getting Started with PROC REPORT**Materials Provided Attendees:** Book**Microsoft Office + SAS = High Impact SAS Output****Instructor:** Bernadette Johnson, The Blaze Group**When:** Wednesday, Sep 24th, 1:30-5:00 pm

Abstract: Let's face it, none of us has extra time in our schedules to reinvent the wheel. Now, more than ever, it's important to maximize your software investment and minimize your development time by using the tools best suited for the task at hand. Microsoft Office applications such as PowerPoint®, Word, Excel, FrontPage® and Publisher have raised the bar on our visual expectations of business reports. Learn how to combine some Microsoft Office built-in formatting templates, styles, or schemes into your SAS programs to move your output from default to dynamic. This half-day lecture course is designed to further develop your reporting skills by combining the power of SAS with many of the Microsoft Office productivity tools to create high-impact, presentation-quality output.

Recommended Background: Basic experience with Microsoft Office tools and Base SAS software.**Intended Audience:** SAS users who also use Microsoft Office tools**Materials Provided Attendees:** Course Notes**Manipulating Data with SAS® Functions and Arrays****Instructor:** Ben Cochran, The Bedford Group**When:** Thursday, Sep 25th, 8:30-5:00 pm

Abstract: This one-day workshop shows you how SAS programming language functions and the ARRAY facility are used to manipulate your data. By attending it you will learn about dozens of programming language features that will make it easier and less time-consuming to prepare your data for use by other elements of the SAS System. It is designed for all users of the SAS programming language, including those who prepare data for inclusion into data warehouses and data marts. By the end of the one-day session, you will have seen the power and flexibility of SAS functions and arrays, and how you can make them work for you when applying the SAS System to your data. You will have also gained a detailed understanding of how the Data Step "works" and how you can control execution of your Data Steps so that you obtain exactly the results you need.

Recommended Background: This seminar is most appropriate for SAS programmers who have completed a fundamentals course in SAS programming, who have about six months to a year of SAS programming experiences. The materials presented assume you are familiar with core SAS System concepts such as Data Step, Procedure Step, Variable, Observation, Label and Format

Intended Audience: Anyone who wants to sharpen their SAS programming skills will benefit from this seminar, which is designed for beginning to intermediate users of SAS System Software.

Materials Provided Attendees: Course notes**The SAS® Output Delivery System for Data Analysts and Statisticians****Instructor:** Andrew H. Karp, Sierra Information Services, Inc.**When:** Thursday, Sep 25th, 8:30-5:00 pm

Abstract: This one-day class is tailored to the needs of data analysts and statisticians who want to apply features of the SAS Output Delivery System (ODS) to their projects and programs. By attending this intensive one-day class, you will learn how to both enhance and simplify many aspects of your data analytic and modeling projects by applying ODS capabilities in your SAS programs. Through a combination of instructor presentations and example programs, you will learn the core concepts underlying the ODS and how it works from the perspective of someone who applies the SAS System's analytic features for statistical modeling and related tasks.

Recommended Background: This course assumes knowledge of key SAS system concepts such as data set, procedure, observation, variable, label and format. The course also assumes some knowledge of statistical procedures in SAS.

Intended Audience: Statisticians and data analysts as well as programmers who work alongside them on research projects.**Materials Provided Attendees:** Course notes



WORKSHOP INSTRUCTOR PROFILES

Here are the biographies for instructors selected to give pre- and post-conference workshops at SESUG '03. We have chosen them to present seminars in conjunction with our annual conference because of their reputation within the SAS user community for being subject-matter experts who have excellent presentation skills and for their enthusiasm to share their knowledge with others. A listing of the workshops they will present is on page 19.

Ben Cochran

Ben is Principal Consultant at The Bedford Group, a SAS Software consulting and training firm. He is a SAS Certified Professional™ for Version 8 of the SAS System and his firm is an Alliance Partner™ of SAS Institute. He was an instructor with SAS Institute for over 11 years and is certified to teach over a dozen SAS Institute courses in addition to his own courses.

Malachy J. Foley

Malachy J. Foley is a Senior SAS Programmer/Analyst in the Department of Biostatistics at the University of North Carolina at Chapel Hill (UNC). Mal has worked with all types of data for more than 25 years. His career in computing includes being an international consultant, a department manager, a university professor, and a CEO. He has consulted to IBM, Dow Chemical, Ford-Rockefeller Foundation, United Nations, Department of Agriculture, Agency for International Development, many universities, and numerous Latin American organizations. He has taught dozens of computing courses at the undergraduate, graduate, and professional levels. He frequently presents papers and gives seminars at local, regional, national, and international SAS users' groups.

Neil Howard

Neil is Manager of Statistical Programming at Ingenix Pharmaceutical Services in Basking Ridge, NJ. Neil was a contract instructor for SAS Institute for seven years, teaching fundamentals, programming, macro, report writing, graphics, and the annotate facility. She has been a SAS user for more than twenty years and has presented numerous papers at user group conferences. She chaired SUGI 20 in Orlando, FL.

Bernadette Johnson

Ms. Johnson combines over 16 years of real-world SAS experience with an MBA to provide a unique insight on not only how to program using SAS, but how to turn your data into information your business can use. Her background includes over 8 years of service to SAS Institute in various technical-consulting roles, and currently as an outside consultant in a variety of industry sectors. Her forthcoming SAS Books-by-Users publication, "Instant ODS, Style Templates for the Output Delivery System", is a CD of ready-to-use Output Delivery System (ODS) templates.

Andrew Karp

Andrew Karp is President of Sierra Information Services, Inc. a SAS Software consulting and training firm located in the California Wine Country. A 20-year SAS user, Andrew has presented numerous public and customized training seminars on a wide range of SAS System topics to attendees around the United States, as well as in Australia, New Zealand, England and Belgium. In addition to his training practice, Andrew has worked on numerous consulting projects where he has applied SAS tools for data mining, forecasting, customer relationship management, reporting and other tasks. He has been an Invited Speaker at SUGI, SEUGI and SUGA, as well as at regional and local SAS user group meetings around the world. Andrew is a SAS Certified Professional(tm) for Version 8 of the SAS System. He earned undergraduate and graduate degrees from The George Washington University and is an avid amateur photographer.

Kirk Paul Lafler

Kirk Paul Lafler is principal of Software Intelligence Corporation and consultant with 25 years of SAS programming experience. He provides IT consulting services and training to SAS users around the world and holds the SAS Institute certification level of SAS Certified Professional, V6, and was a SAS Institute Alliance Member (1996 – 2002). As the author of three books and more than one hundred articles, Kirk is a frequent speaker at International, Regional, and Local SAS User Groups. He also writes a popular SAS Tips column that appears regularly in the BASAS, HASUG, SANDS, and SESUG Newsletters.

Russell Lavery

Russ Lavery is an independent contractor. He has used SAS for 15 years and specializes in the use of SAS and Statistics to solve business problems. He is the author of the "An Animated Guide:" series of presentations on SAS and statistical topics.

Greg Barnes Nelson

As President and CEO of ThatWave Technologies, Mr. Barnes Nelson leads software development activities and oversees the design, testing, and implementation of application development services. Mr. Barnes Nelson joined ThatWave with over 19 years of experience in market research, database marketing, systems development and project management. Currently, Greg is responsible for developing ThatWave's service offerings for reporting and analysis applications in the pharmaceutical and biotechnology industries. Greg has presented numerous workshops and presentations at SAS user group conferences.



Please use this form to make your reservations!

Reservations Fax #: 727 562-1222 or E-Mail: groupreservations@twresort.com

Group: SouthEast SAS Users Group (SESUG)
Date of Function: September 20 - September 25, 2003

- Hotel Room **\$129.00**
- One Bedroom Suite, based upon availability **\$179.00**
- Government Rate **\$89.00 (Limited Space available. Must show proper I.D. at check in)**

REQUESTS: Smoking Non Smoking

A specific number of rooms are being held at this rate until: August 29, 2003. After this date, all group requests will be subject to rate/room type availability. **Please make your reservation as soon as possible.**

Name _____ Organization/Firm/Affiliation _____
 Address _____ Phone Number _____
 City _____ State _____ Zip _____ Fax Number _____
 Arrival Date _____ Hour (Check-in 4:00 PM) _____ Departure Date (Check-out noon) _____
 Number of People in Room _____ Sharing With _____

A one-night deposit by check or credit card is required. Check enclosed \$ _____
 (Personal checks are not accepted for payment at checkout)

Please charge to: MasterCard Visa American Express.
 Deposits will be billed on receipt of reservation request.

Card Number _____ Exp. Date _____
 Name on Card _____ Signature _____

- All rooms are subject to applicable taxes unless attendee provides proof of tax-exempt status prior to check-in.
- Group rates and availability for arrivals **three (3)** days prior and departures **three (3)** days after above group dates are on a space available basis only.
- Group rates may not be combined with any other special offer, package or discount.
- REFUNDS: Deposits are refunded provided your reservation is cancelled at least 48 hours prior to 4 PM on your arrival date. Please retain the cancellation number given.
- A nightly resort amenity fee (EVP/Parking) will be offered upon check-in as an optional charge. Rates are currently **\$8.00** for each Hotel Room or One Bedroom Suite and **\$17.00** for multi-bedroom units. If chosen, this fee will appear as an **incidental** charge and is subject to 11% tax. Should the resort fee not be selected, amenities will be available on a daily a la carte basis, which would include a self-parking fee of \$8.00 per day. Non-overnight drive-in guests will also be charged a parking rate of \$8.00 per day.

Return this form with deposit to:
 TradeWinds Island Grand /Group Reservations Dept., PO Box 66307, St. Pete Beach, FL 33706

Group Reservations: (800) 808-9833 Fax: (727) 562-1222 E-Mail: groupreservations@twresort.com

CONFERENCE REGISTRATION FORM

First Name (for badge):	Last Name:		
Job Title/Affiliation: (Include on badge? Yes <input type="checkbox"/> No <input 3"="" type="checkbox/>)</td> <td colspan="/> E-Mail: (May we use for follow-up? Yes <input type="checkbox"/> No <input 4"="" type="checkbox/>)</td> </tr> <tr> <td colspan="/> Street Address or Box Number:			
City:	State/Province/Country:	Zip Code:	
Office Telephone: () -	Home Telephone: () -	Other Telephone: () -	
Should we need to contact you, how would you prefer we do that? <input type="checkbox"/> E-mail <input type="checkbox"/> Home Telephone <input type="checkbox"/> Office Telephone <input type="checkbox"/> Other Telephone <input type="checkbox"> Postal Mail </input>			

Are you an Invited Speaker, Active Executive Council member, or special status? (Circle one)

Would you like to volunteer to help us at SESUG 2003? (Yes No

If Yes, indicate your area of interest, if any: _____

- Conference Registration Fee: \$335 (through 7/31/2003)
 \$225 (Academic**; through 7/31/2003)
 \$375 (8/1/2003-8/30/2003)
 \$275 (Academic**; 8/1/2003-8/30/2003)
 \$425 (8/31/2003-9/24/2003)

Less Group Discount @ \$30 per person, if applicable*: _____

Total Conference Fee: _____

Workshop Administration Fee (waived for all SESUG '03 conference attendees) \$25 _____

Half-Day Workshops @ \$125:

- Advanced SAS Programming (Sat AM)
- Introduction to Java for SAS Programmers: Part I (Sat AM)
- SAS Essentials (Sat PM)
- Developing JAVA Applications – Part II (Sat PM)
- SAS Performance Tuning for Programmers (Sun AM)
- Accurate Manipulation of Data Sets (Tricks, Traps, and Techniques) (Sun PM)
- The Nitty-Gritty of PROC REPORT (Wed PM)
- An Animated Guide: Macro Quoting (Wed PM)
- Microsoft Office + SAS = High Impact SAS Output (Wed PM)

Full-Day Workshops @ \$250:

- Introduction to SAS/SQL (Sat)
- Building and Applying Predictive Models Using the SAS System (Sat)
- Advanced SAS/SQL Topics (Sun)
- Summarizing and Reporting Data Using the SAS System (Sun)
- Manipulating Data with SAS Functions and Arrays (Thur)
- The SAS Output Delivery System for Data Analysts and Statisticians (Thur)

Total Workshop Fees: _____

Note: PLEASE refer to the Registration Guide for policies and procedures regarding cancellations!

Tampa Bay Devil Rays/New York Yankees Sunday Package: _____ @ \$37.50 _____
 Salvatore Dali Museum Tour Package: _____ @ \$28 _____
 Guest Memberships: _____ @ \$50 _____
 Names: _____

Additional T-shirts: _____ @ \$10 _____

Total Additional: _____

TOTAL CONFERENCE FEES DUE: _____

Payment Method: (must be made in United States currency)

Check/money order enclosed, payable to SESUG

Credit Card: (please check one)

Visa Master Card American Express Discover Diner's Club

Number on card: _____ Expiration Date: ____/____

Name on Card: _____

Card Holder Signature: _____

PLEASE, DO NOT SEND CASH! SESUG cannot and will not be responsible for funds lost in the mail.

* Group of 4 or more from the same company, if registered at the same time. **Academic registrations are not eligible for group discount!** Paper registrations **must** be shipped together, in order to ensure your discount is properly applied. If electronically submitted, group registrations **MUST** be submitted as closely together as possible to ensure qualification for the discount. All members must be paying conference fees; Workshop-only attendees will **not** be considered as part of the group for discount, nor will attendees with conference fees waived. Contact Deborah Skinner at the address/telephone below if you have any questions.

** Academic discount applies **ONLY** to **full-time** students and teachers. Full-time students and teachers may register for \$225 before July 31st, and \$275 up until August 30th. Proof of full-time student/teacher status must be provided to the Registrar via fax, or a copy with the paper registration, in order to qualify for the special rate. **No Academic discount requests will be accepted after August 30th, 2003.**

How to Register:

Online: www.sesug.org (Any time starting 6/1/03)

Mail: SESUG 2003 Registrar
 Deborah Skinner
 N61W12707 River Heights Drive
 Menomonee Falls, WI 53051

FAX: 919-882-9798

IMPORTANT NOTES:

A full refund is permitted if written notice of cancellation is postmarked, e-mailed, or faxed to the Registrar by 8/30/03. Request for cancellations and refund must be in written form. **NO REFUNDS WILL BE ISSUED AFTER THIS DATE.**

SESUG's sole liability in the event of conference or training workshop cancellation is refund of fees paid for the specific event(s) that is/are cancelled. SESUG is **not** liable for **any** special or consequential damages arising from conference or training workshop cancellation. If a training workshop is cancelled, we will notify **you as soon as possible** and you will be invited to transfer your registration to another workshop. Or, you may elect to receive a refund for the amount paid for that workshop.

Using audio or visual recording devices, or laptop computers, is **NOT** permitted during the pre- and post-conference training workshops, or any paper presentation, without the **prior permission** of the presenter/instructor.

No direct recruiting may be conducted at the conference, or during **any** conference-related activity. (See SESUG Policies, page 29)

By attending the SESUG conference, you are agreeing that the SouthEast SAS Users Group and SAS may use your name, picture, and/or feedback comments in any media worldwide, in connection with any account of conference events.

SESUG Federal Tax ID: 59-3571958



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Chapel Hill, NC

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SESUG POLICIES & PROCEDURES

The annual SouthEast SAS Users Group (SESUG), Inc., Conference is primarily an educational gathering for the benefit of its attendees. SESUG recognizes that the majority of attendees are present as representatives of their employers for this purpose. Accordingly, SESUG does not condone, endorse, or encourage activities that may conflict with the educational nature of the conference. All attendees and vendors are expected to abide by the Policies and Procedures set forth in this document.



Paper Content: Users are urged to present papers describing real-world applications using SAS Institute software. SESUG also accepts a limited number of theoretical and general overview papers. Acceptance of all presentations is at the discretion of the Conference Chairs.

Oral presentations and written papers describing products or services of a commercial nature may only be presented at the conference if:

1. They describe how the product relates to the use of SAS Institute software
2. They do NOT include price lists, support commitments, or other material of a promotional or sales nature.

Right of Withdrawal: The SESUG Executive Council and the Conference Chairs reserve the right to determine if any activity is in violation of these Guidelines. They may, at their option, direct the withdrawal of a presentation or demonstration or the dismissal of a SESUG attendee from the conference.

Marketing and Recruiting: Any person or entity wishing to market their products or services or whose presence is primarily to recruit attendees at the annual SESUG conference must register as a vendor. Registered vendors are expected to conduct themselves with professionalism. The SESUG Executive Council (EC) reserves the right to refuse any or all vendor registrations.

In addition to, or in lieu of, a physical presence at the annual SESUG conference, vendors may choose to have a virtual presence through means of advertising. Advertising opportunities are delineated below and do not require separate registration of the vendor.

1. The Conference *Program* may include printed vendor advertisements. All advertising is accepted at the discretion of the SESUG Conference Chairs. A fee may be assessed.
2. Sales literature and promotional items may only be distributed to conference attendees in an approved manner. Items for distribution must be submitted to a designee of the Conference Chairs and are subject to approval of form and content. A fee may be assessed.
3. Vendors who wish to sponsor the goals and aims of SESUG may be recognized publicly at the discretion of the Conference Chairs.

Distribution of sales literature and other promotional items will be limited to the above procedures. The Conference Chairs will issue specific requirements (e.g., content, deadlines, and costs) for these vendor promotional opportunities.

SESUG does not condone, endorse, or encourage unauthorized hospitality suites or other similar unauthorized activities. In the event of any questions of interpretation, the decision of the Conference Chairs will apply.

Non-registered vendors may not engage in any direct marketing or sales effort at the conference.

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Simply Systems, Inc.

George Matthews
University of Georgia

Steve Noga
Rho, Inc.

S. David Riba
JADE Tech, Inc.

Gary Schlegelmilch
U.S. Bureau of the Census

Deborah Skinner
Fortis Health Insurance Co.



THIS IS YOUR CONFERENCE TREASURE MAP

- **Step 1:** Check out our website at www.sesug.org...visit us often for updates about the conference.
- **Step 2: Required: Register and pay for the conference.** See the Conference Registration Form on pages 26&27. Full-time students and teachers **must** submit proof of full-time status with registration, and **must** register by August 30th in order to qualify for the special discount.
- **Step 3: Optional: Select and pay for your choice(s) of Pre-/Post-Conference Workshops** (see pages 19-24), **special packages** (see page 7), and **guest program**.
- **Step 4:** Make Hotel reservations at the TradeWinds Island Grand Resort (see page 25).
- **Step 5:** Make travel plans.
- **Step 6:** Bring a credit card, personal check, cash, or purchase order to use to take advantage of the Conference's 20% discount on SAS Institute books.
- **Step 7:** *Attend SESUG 2003, September 22nd-24th — visit the beautiful Florida Gulf Coast – sun, sea, surf, and SAS!*

IMPORTANT DATES TO REMEMBER

- **June 1st, 2003** **Registration opens**
- **July 31st, 2003** **Early Registration Deadline**
- **August 29th, 2003** **Last day to make hotel reservations at the conference rate**
- **August 30th, 2003** **Last day to cancel and receive a refund**
- **August 30th, 2003** **Last day to register at Regular rate**

