

# AFDE

## PRESIDENT'S REPORT

### IGS Meeting Report

*AFDE and its members have an important role in the 2011 IGS Conference.*

**Pages 1-2**

### AFDE Symposium 2011

*An interesting and relevant Continuing Education program in a unique midwest city.*

**Page 3**

### AFDE Journal 2011

*The newest AFDE journal has been released*

**Page 4**

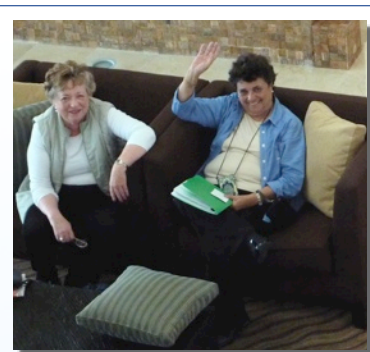
## INTERNATIONAL GRAPHONOMICS SOCIETY CONFERENCE - 2011

AFDE members Patricia Fisher, Bonnie Schwid and Emily Will attended, participated, networked and awarded the Prize that AFDE gives for the best student research paper.

IGS 2011 was held in Cancun, Mexico in mid-June. If you are thinking, "Oh wow, Cancun!" you are exactly right. The venue was the beautiful, exotic and all-inclusive Live Aqua Hotel right on the beach. Despite the tug of the ocean currents and 8 glorious pools, we did attend all of the sessions and soaked up a lot more knowledge than sun.

As you know, the IGS presentations are not only about handwriting forensics. Member interests also include human-machine interfaces, computer recognition of handwriting, the neurological and developmental basis of human performance and other related research. The range of topics included and the international composition of the IGS membership offer a great opportunity for learning and networking. Special challenges are the need to learn new vocabulary and concepts, and the diverse languages and accents of the participants.

The proceedings of the conference are available at the IGS website <http://graphonomics.org>. Other IGS publications are also available. AFDE past-president, Bonnie Schwid, presented a Poster Session entitled, "Forensic examination of the writing of a man with multiple personalities." There was a lot of interest in this poster, and Bonnie made some connections that will help her as she continues to study this topic.



### AFDE - IGS

*Through the efforts of AFDE members past and present, a strong link to the IGS has been built. Now it is up to present and future members to maintain and strengthen that link by studying the concepts and work of IGS researchers, and integrating it into our own work when appropriate.*

**IGS 2013 - Tokyo, Japan**

# AFDE AND IGS

## IGS Meeting report continued...

Patti Fisher, Journal Editor, met with IGS members who are on the Editorial Board, and to discuss the plans for the 2012 and beyond issues of the Journal. The Journal of Forensic Document Examination is very proud to be able to bring the work of many IGS researchers to the attention of the forensic document examination community through the Journal.

Emily Will, AFDE President, gave a presentation entitled "Validating Features for Inferring Handwriting Speed from Static Trace." This presentation built on the research project presented at the 2010 AFDE Symposium and many AFDE members participated as subjects in this project. Some important questions were raised relating to whether the length of pen stops should be removed from "total duration" when determining the length of time taken in writing a word. This will be investigated, and an update to the project will be issued.

IGS 2013 will be held in Tokyo, Japan. If you start thinking now about a research topic, you have time to do the work, make a submission when the Call for Papers is issued in late 2012 and plan a business trip to visit Japan in 2013.



### Avni Pepe Wins AFDE Best Student Paper Prize

*Avni Pepe is a graduate student studying with Drs. Bryan Fount and Doug Rogers at LaTrobe University in Australia. Here he receives his prize certificate from AFDE President, Emily Will.*

*- Photo by Patti Fisher*

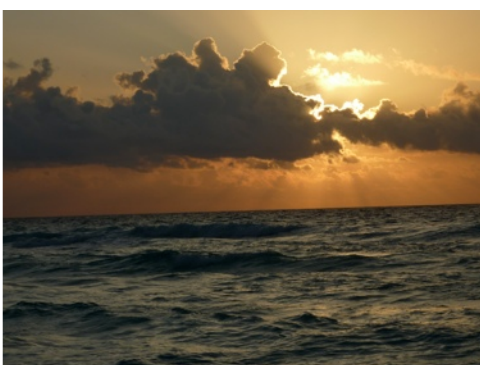
## AFDE Best Student Paper Prize

The 2011 award went to Avni Pepe for his work on the paper, "A Cognitive Look into Simulations of High and Low Complexity Signatures," coauthored with Douglas K. Rogers and Jodi C. Sita - all from the Handwriting Analysis and Research Laboratory, School of Human Biosciences, La Trobe University. In this paper, the authors tracked and studied eye movements and handwriting dynamics of subjects as they simulated two model signatures of different complexity. Subjects' eyes fixated more often on the model signatures than on the simulated signatures in both high and low complexity conditions. Furthermore, subjects fixated more often on the model signature and for longer duration when looking at the high complexity model signature than the low complexity model signature. For the simulated signatures, there was no significant difference in the duration of eye fixations.

An interesting result of this research is the suggestion to consider additional factors in the analysis of complexity of handwriting.

**This is one of the first papers to read after downloading the proceedings from <http://graphonomics.org>.**

## Cancun - Paradise on Earth.....





# AFDE SYMPOSIUM

## The Galt House Hotel



*The Galt House Hotel is centrally located on the waterfront in downtown Louisville, Kentucky. Many attractions are within walking distance, or a short drive. For example:*

- *Louisville Ballet – 1 mile*
- *Louisville Orchestra – 1 block*
- *Belle of Louisville – 1 block*
- *Louisville Slugger Museum & Factory – 4 blocks*
- *Fourth Street Live! – 3 blocks*
- *Actors Theatre of Louisville – across the street*
- *Muhammad Ali Center – 3 blocks*
- *Kentucky Center for the Arts – 1 block*
- *Speed Art Museum – 4 miles*
- *Churchill Downs and Kentucky Derby Museum – 5 miles*
- *Louisville Science Center – 4 blocks*
- *Louisville Glassworks – 8 blocks*
- *Frazier History Museum – 4 blocks*



## AFDE SYMPOSIUM - 2011

DATES: November 2-6, 2011

LOCATION: Louisville, KY

Registration form, costs, program and other information are all posted on the AFDE website at <http://afde.org>.

This will be a fantastic continuing education program, and also an opportunity for you to support AFDE in its efforts to offer you the very best professional organization possible.

## Program Highlights

Neurological Disorders and Their Impact on Handwriting  
by David Shraberg, MD

Fraudulent Document Identification Presentation  
by Mr. Joe Claypool

Reflex of Avoidance in Spatial Restrictions for Signatures and Handwritten Entries

by L. Chris Burkey, BS and Larry S. Miller, Ph.D., D-BFDE  
Digital Images & Photoshop: The Good, the Bad and the Ugly  
by Dick McEvoy

Additional speakers and possible post-conference workshops are under consideration. Contact Charla Janney, Program Chairman with your ideas for a presentation. Remember that AFDE's slogan is *Professionals who share knowledge increase their own skills*. This is an opportunity for you to share and grow professionally.



## Some Speaker Profiles

David Shraberg, MD is a board certified in Neurology and Psychiatry, Assistant Clinical Professor at the University of Kentucky College of Medicine and Medical Director for Geriatric Psychiatry Services and Electrophysiology Services at Ridge Hospital in Lexington, Kentucky. Special areas of interest in his medical work are "Higher Cortical Functions and Psychiatric Manifestations of Neurological Disease" and "Interfaces of Psychiatry and Neurology as Applied Neuropsychiatry."

Agent Joe Claypool is a graduate of Indiana University (BS, MBA, JD). He is a graduate of the Indiana Gaming Academy and has been an Indiana Gaming Agent since May of 2006. Agent Claypool is an instructor for Indiana Gaming Law at the Gaming Academies and is certified as a primary instructor by the Indiana Law Enforcement Academy (ILEA).

# JOURNAL OF FORENSIC DOCUMENT EXAMINATION

## 2011 AFDE Journal in the mail

The 2011 AFDE Journal (Journal of Forensic Document Examination) is in the mail to members, and probably on your desk now. Congratulations and appreciation to Editor Patti Fisher, the entire editorial board of the Journal, and participating authors. The amount of hard work involved in publishing this Journal can not be overstated.

Your suggestions for future topics, authors, journal recipients, or other journal related comments are most welcome. Contact the editor at [journal.JFDE@gmail.com](mailto:journal.JFDE@gmail.com).

## Journal Purchases Online

The 2011 issue and certain back issues are available for purchase online through Paypal from the AFDE Website. Just follow the links from the Journal tab, put the issues you want in your "cart" and you will be taken automatically to Paypal to make payment. Your order will be mailed to shortly thereafter.

## Submission Guidelines

Full Submission Guidelines are in the Journal and downloadable from the AFDE website. The types of submissions solicited are:

1. Research Papers
2. Case Reports
3. Technical Reports
4. Commentaries/Book Reviews

Contacting the editor if you have or are considering a submission.

## JOURNAL OF FORENSIC DOCUMENT EXAMINATION Vol. 21 2011

### Contents

From the Editors .....3

Exploiting inference mechanisms in the assessment of forensic document examination methodologies for signatur..... 5  
Richard.M.Guest, Michael.C.Fairhurst, Marjory Abreu, and Tristan.A.Linnell

Quantitative assessment of handwriting evidence: The value of the shape of the letter "a" .....17  
Raymond Marquis, Silvia Bozza, Matthieu Schmittbuhl, and Franco Taroni

Disguising writers identification: an experimental study.....23  
Angelo Marcelli, Marco Rendina, and Claudio De Stefano

Analysis of Signature Complexity ..... 37  
Linda C. Alewijnse, C. Elisa van den Heuvel, and Reinoud D. Stoel

Effects of different postural conditions on handwriting variability..... 51  
Emmanuelle Sciacca, Marie-Blanche Langlois-Peter, Pierre Margot, and Jean-Luc Velay

Book Review/Commentary  
Scientific Examination of Questioned Documents, Second Edition,..... 61

Index by Lead Authors Journal of Forensic Document Examination 1987-201..... 83

Guidelines For Submission ..... 89



## Journal Editor, M. Patricia Fisher, M.J., D-BFDE

Patti Fisher has a Masters Degree in Journalism from the Graduate School of Journalism, University of California, Berkeley. AFDE is very fortunate to have a member with a background in Journalism, board certification in Forensic Document Examination, and a desire to work hard for the organization and the profession. She sets an example for all of us. We can best appreciate her efforts by reading and using the articles in the Journal, and encouraging further distribution of the Journal to local law libraries, or other venues.