

**The Greater Pittsburgh Chapter of the Association of Certified
Fraud Examiners
September MEETING NOTICE**

PLEASE RSVP TO Shelley Bias: e-mail: Shelley.bias@alcoa.com
Phone: 412-553-2240

September 10, 2008

**Dr. Andreas Olligschaeger, President, TruNorth Data Systems, Inc.
Working the Data Mine: Information Sharing, Data Mining and Fraud
Detection**

Date: WEDNESDAY, September 10, 2008

Chapter Elections

Registration: 11:30 AM to 11:45 Noon

Presentation: 11:45 Noon to 1:00 PM

Place: Tambellini's Restaurant
139 7th Street
Pittsburgh PA 15222

**Cost: Members & Associates of the Greater Pittsburgh Chapter: \$20
All others: \$30**

CPE: Qualifies for 1 credit hour of continuing professional education.
Attendance certificates will be provided.

Registration deadline: Monday, September 8, 2008

- Buffet Lunch

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Or Phone: 412-553-2240**

**Dr. Andreas Olligschaeger
President, TruNorth Data Systems, Inc.
Working the Data Mine: Information Sharing, Data Mining and Fraud
Detection**

Dr. Andreas (Olli) M. Olligschlaeger is the president of TruNorth Data Systems, Inc., a company specializing in law enforcement information systems consulting and software development for federal, state and local agencies. Formerly a systems scientist at Carnegie Mellon University, with appointments at the H. John Heinz III School of Public Policy, the Robotics Institute and the School of Computer Science, Dr. Olligschlaeger also has practical experience working with law enforcement agencies in narcotics enforcement, crime analysis and criminal intelligence. The primary focus of his work is on artificial intelligence methods for crime forecasting, advanced analytical tools for the automated mining of very large data sets for both crime analysis and criminal intelligence, advanced spatial statistical methods for geographic information systems and crime mapping, and the development of law enforcement related systems that integrate many different analytical techniques into a single interface. His work in correctional intelligence has included the automated mining of and topic detection within speech recognized text derived from inmate telephone calls. Dr. Olligschlaeger is a member of the International Association of Crime Analysts, the International Association of Law Enforcement Intelligence Analysts, the Society of Police Futurists International, the

PFI/FBI Futures Working Group and serves on the advisory board of the High Tech Crime Consortium.

Information sharing between government, public and private organizations and the mining of this data to identify patterns of crime has been the topic of much heated public debate over the past few years. Yet data mining is crucial to the detection of patterns of crime, including fraud, and cannot be successful without vast quantities of data. Complicating matters is that fact that data can come from a myriad of sources, each of which may contain a piece of the puzzle, as well as many different formats. This talk will focus on some key aspects of information sharing, data integration and data mining. Finally, an application of these aspects will be demonstrated that automatically detects patterns of fraud and other criminal activity within inmate telephone calls.

Dr. Olligschlaeger holds a B.A. in Geography from Concordia University, a M.A. in Geography from the University of British Columbia, a M.Phil. in Public Policy from Carnegie Mellon University, and a Ph.D. in Public Policy, also from Carnegie Mellon University.

Please join us for this interesting and relevant presentation.