

TWO SHORT COURSES ON

'Security Research' & 'Text Mining'

Presented by **Dr Alessandro Zanasi**, Associate Professor at WIT
20 & 21 June 2007 at **Ashurst Lodge, Ashurst, Southampton, UK**
Organised by: **Wessex Institute of Technology, UK**

SECURITY RESEARCH WORKSHOP

Wednesday 20 June 2007 (pm only)

By "security research" we mean all the research activities that aim at identifying, preventing, deterring, preparing and protecting against unlawful or intentional malicious acts harming European societies; human beings, organisations or structures, material and immaterial goods and infrastructures, including mitigation and operational continuity after such an attack (also applicable after natural/industrial disasters).

Since the end of the cold war, the threat of large scale military aggression has subsided and been substituted by new threats including organised crime, terrorism, state failure, regional conflicts and proliferation of weapons of mass destruction. Implementing a security strategy requires a comprehensive suite of internal and external security instruments covering intelligence, police, judicial, economic, financial, diplomatic and technological means. Research and technology can play a supporting role as a force enabler.

This short workshop will provide basic elements on the new threats and on the required capabilities to react to them:

- Detection and identification
- Information management
- Risk assessment, modelling and simulation
- Situation awareness & assessment

TOPICS

- Security: a concept in evolution
- What are the threats?
 - Critical Infrastructure Protection
 - Border Security
 - Protection against Organized Criminality and Terrorism
 - Restoring security in case of crisis
- Functions, capabilities, technologies
- From National Security to Competitive Intelligence
- Intelligence and security systems planning
- Security in Europe: European Commission funding
- Business cases with examples of utilization

TEXT MINING: TUTORIAL AND LATEST TRENDS IN APPLIED RESEARCH

Thursday 21 June 2007

While the amount of data available to us through the Web and the Intranets is increasing, our capacity for reading and analyzing this information remains constant. Search engines, instead of reducing the problem, augment it by making more and more documents quickly available to us. Text mining is a new research area that solves the information overload problem by exploiting recent advances in different fields of technology, allowing the automatic extraction of important elements and facts as they appear in huge volumes of unstructured text. Documents and web pages, as well as emails and chatlines, are a source of knowledge in an unstructured data format that can be decoded, analyzed and turned into actionable intelligence thanks to online analysis by text mining.

In this workshop, which is directed to researchers who wish to obtain information about the real market needs and to practitioners who wish to be updated on the current research results, examples of real and operative applications to open sources and virtual communities analysis, customer relationship management (CRM) and competitive intelligence (CI) are given. The final objective of this workshop is to give participants hands on knowledge of what text mining is, its techniques, its more successful applications and its recent trends in research.

Typical users of text mining, besides researchers and academics, are marketing and intelligence analysts, in military applications as well as in business or the political fields.

- The market need
- Text mining basic techniques
- Applicative landscape
 - CRM
 - Intelligence
 - Others
- Software examples
- Funding Opportunities from European Commission: ESRAB/ESRP



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Two Short Courses on 'Security Research' & 'Text Mining'

20 & 21 June 2007 – Ashurst Lodge, Ashurst, Southampton, UK



PRESENTER

Dr Zanasi is a leading authority in the areas of Text Mining, Customer Relationship Management (CRM), Business Intelligence (BI), and Security and Intelligence technologies, with over 20 years experience in the IT industry. Prior to co-founding TEMIS, Dr Zanasi held various consulting and market intelligence roles at IBM, including IBM's Research Centers in France and in San Jose (USA). In addition, he also worked at Rome's Carabinieri Scientific Investigations Center and as META Group analyst in BI and CRM areas. Dr Zanasi is European Commission's reviewer of proposals and projects presented to the Directorate General for Information, Professor at Modena University, frequent speaker, Scientific Committee Member, Chairman of International Conferences and ESRAB-European Security Research Advisory member. Dr Zanasi graduated from Bologna University with a degree in Nuclear Engineering, and received associate degrees in Business Administration (Modena University) and Financial Engineering (Paris University).

Author of several publications on IT subjects, among them the books:

- Text Mining and its Applications to Intelligence, CRM and Knowledge Management (2005 WIT Press)
- Text Mining and its Applications (2004, WIT Press)
- Discovering Data Mining (1998, Prentice Hall)

Half-Day Workshop on 20 June 2007

The half day Workshop will commence at 2.00 pm and finish at 5.00 pm. The normal Workshop fee of 400 Euros, will be offered at a reduced rate of 350 Euros for those attending the Data Mining 2007 conference or the one-day Text Mining Tutorial.

One-Day Tutorial on 21 June 2007

The one-day Tutorial will commence at 9.15 am and finish at 5.00 pm, with two sessions in the morning and two in the afternoon.

The Tutorial fee of 600 Euros includes all working materials, lunch, coffee, tea, and all computer facilities used, where applicable. For those attending the 2007 Data Mining Conference in the New Forest or the half-day Text Mining Workshop, a specially reduced tutorial fee of 500 Euros will apply.

Both the workshop and tutorial will take place at the Wessex Institute of Technology at Ashurst Lodge, which is well situated in the beautiful New Forest, on the south coast of England, very accessible by road, rail and air link. A location map can be found at www.wessex.ac.uk/where.

Accommodation details can be found at www.wessex.ac.uk/accommodation

The Institute reserves the right to make changes to the programme that may prove necessary

REGISTRATION FORM

Organisation

Address.....

Telephone.....

Fax.....

E-Mail.....

Booked by

Delegate (Prof/Dr/Mr/Mrs/Ms)

Initials.....Surname

Workshop Fee 20 June 2007: 400 EUROS

Tutorial Fee 21 June 2007: 600 EUROS

Mastercard American Express Visa

Credit Card No:.....

Expiry Date

Signed

Cheques should be made payable to:

'Wessex Institute of Technology'

Please return this form to:

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Southampton, SO40 7AA, UK

Telephone: 44 (0) 238 029 3223

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CANCELLATIONS

Participants who cancel their registration due to special circumstances more than 60 days before the course will receive a complete refund minus fixed expenses. Fees remain payable in full, for cancellations received within the 60 days of the start of the course even if you are unable to attend or send a representative from your organisation.