

ENBIS-13 in Ankara (Turkey): See You Soon!

Our annual conference is just a month away – if you haven't registered yet, you are kindly invited to do so at your earliest convenience!

We look forward to getting to know about your work when you make your presentation or show your poster at ENBIS-13 in Ankara. The full programme is now available on the conference website. Some last-minute details are summarized below.

Submissions for the Conference Proceedings

Note that a CD of conference proceedings will be included in your delegate pack. To ensure your work is included, **please submit your file(s) before August 25th 2013**. Please note that ENBIS does not restrict you in any way on how your contributions to the annual proceedings CD should look like. We want you to be able to present your findings the way you find most appropriate. The only restrictions we adhere to are the following: your papers should be submitted as a pdf file and should not exceed 5 MB. Please submit your file(s) using the following procedure:

- 1) Login to the ENBIS Web.
- 2) Choose My Account in the top-right corner.
- 3) Scroll down to the abstract(s) accepted for ENBIS-12.
- 4) Click on the "submit paper" button.



How to create a pdf file? Word has an export option (File -> Save As -> Other Formats etc.), Writer (the Open Office counterpart of Word) has a direct export function (File -> Export to PDF), while LaTeX users may use either directly pdflatex or may export their dvi or ps files to a pdf format.

Short Courses

You are invited to consider the possibility of taking part in the **pre- and post-conference workshops**:

- Statistical Methods for Product Reliability Improvement (by Nikolaus Haselgruber, CIS).
- Introduction to Generalized Linear Mixed Models (by Tim Robinson, University of Wyoming).
- Statistical Discovery in Manufacturing (by Volker Kraft, JMP).
- Common Mistakes in Six Sigma Projects and How to Avoid Them (by Xavier Tort, UPC Barcelona).

More details on courses are available online at www.enbis.org.

Social Programme: Two Interesting Tours

The ENBIS-13 conference organizers are offering two interesting tours (a city tour of Ankara and a two-day tour of Cappadocia). Please refer to the files available under "About the Venue" header of the ENBIS-13 website for details and contact information to make the desired reservation(s) and **note the cut-off date for tour reservations to be Friday, September 6th, 2013**.

2013 ENBIS Elections

The e-ballot is ready and will be available online up until September 2nd, 2013. Please log in to ENBIS Web and cast your vote today!

ENBIS members cast their votes for a President-Elect every two years. If elected, the 2013 candidate **Marco Seabra dos Reis** (Portugal) will become President of ENBIS in the mandate period 2015-2017.

The ENBIS Executive Committee has three Vice Presidents who are elected for the period of two years. The candidates in the alphabetical order are **Lance Greenfield Mitchell** (United Kingdom), **Bart De Ketelaere** (Belgium) and **Antonio Pievatolo** (Italy).

ENBIS Council consists of seven members. Each of them is elected for the period of four years but they are not all elected at the same time. Every two years there are new members of the ENBIS Council to be elected. This year we have four excellent candidates for open three positions: **Peter Goos** (Belgium), **Vladimir Shper** (Russian Federation), **David Steinberg** (Israel) and **András Zempléni** (Hungary).

For more information on each candidate and to cast your vote, please enter <http://www.enbis.org/members/procedure/s/votes/elections2013> into your browser and log in with your username and password for the ENBIS Web. Please note you can cast your vote only once.

The 2013 ENBIS Elections Poll will be open until September 2nd, 2013 at 17:00 CET.

The results will be available from 17:00 CET on September 5th, 2013 onwards and confirmed at the 2013 General Assembly of ENBIS in Ankara (Turkey) on September 16th, 2013.

2013 ENBIS Awards

David Steinberg will receive the 2013 Box Medal at ENBIS-13 in Ankara and deliver a plenary address.

We are pleased to announce that apart from **David Steinberg** (Department of Statistics and Operations Research, School of Mathematical Sciences, Tel Aviv University, Israel) who needs no introduction, two more award recipients will address the ENBIS-13 participants.



David Steinberg

The Young Statistician Award goes to **Wouter Saeys** (Afdeling Mechatronica, Biostatistiek en Sensoren Kasteelpark Arenberg, Belgium).



Wouter Saeys

The Best Manager Award will be presented to **Edwige Castagna**. Edwige is the European RLM Lab Launch Manager for General Motors. She is

responsible for engine testing and based in Italy.

David's plenary address is titled "Robust Design and Design for Robust Processes". Following is the abstract:

George Box introduced the term "robust" to the statistical lexicon to refer to methods and procedures that are not overly sensitive to assumptions. He applied this concept to experimental design, as well, highlighting the need to consider varied, and sometimes conflicting, aims and objectives when planning an experiment. In the 1980's, robust parameter design became a major topic in industrial statistics. There are many commonalities between the desire for robust experiments and for experiments that promote robust processes. Much of my own research has focused on various aspects of robustness in both DOE and process improvement. In this talk I will review some of that work, beginning with Box's ideas and then extending to some of my contributions. Among the topics that will be covered are: model-robust experimental design, follow-up designs, robust parameter design, design for GLM's and design of computer experiments.

The 2013 Box Medal Ceremony will also be an opportunity to honour the memory and remember the legacy of **George Box**, a friend and supporter of ENBIS. George, who was the first recipient of the Box Medal named after him and awarded by ENBIS annually to outstanding statisticians for their lifetime of achievements, left us in March.

The Next ENBIS Webinar

The next ENBIS Webinar is scheduled to take place on September 9th, 2013.

The seminar titled "Using Alternative Versions of Data When Teaching Using Case Studies" will be presented by **Jacqueline Asscher** and moderated by **Alessandro di Bucchianico**.

Before the webinar, please sign up with the moderator via e-mail or the ENBIS website. Please do so the day before the webinar at the latest. You will receive a link to the meeting space from the moderator via e-mail. No installation of software will be necessary, you can join via a link provided in the invitation. During the webinar time, ensure your computer's audio and video equipment is turned on, open your invitation, and click "join". You will then automatically join the webinar.

During the webinar, the presenter will have the opportunity to speak uninterrupted for 20 minutes. As attendee, please mute your microphone and use the chat facility to send questions and comments to everyone participating. The moderator will collate the questions and chair a question and answer session at the end of the presentation. The moderator will ensure that the webinar finishes at the end of the 45 minutes.

ENBIS set up a Cisco Webex account which allows webinars to be presented to a maximum of 25 people at a time. The meetings can be recorded and then shared with anyone through their Webex account. Webex has the advantage over Skype that no software has to be installed, Webex works over the internet.

We have our own ideas for further speakers and moderators but also cordially invite your suggestions.

Please send us your comments and suggestions or book your place in the September webinar now simply by contacting

webinar@enbis.org

ENBIS @ 45e Journées de Statistique

The 45th Days of Statistics took place in Toulouse from the 27th to 31st May, 2013, at the Groupe ESC Toulouse. As a step forward in further strengthening the ties between ENBIS and SFdS (the French Statistical Society), an invited ENBIS Session took place. The session was organized by **Olivier Roustant** and consisted of three very interesting talks; **Marco Seabra dos Reis** was one of the speakers.

ENBIS Special Session at the 29th European Meeting of Statisticians

The European Meeting of Statisticians was held between the 20th and the 25th of July, 2013 in Budapest. In order to show ENBIS presence in the world of statistics **András Zempléni** organized a contributed session, in which besides experienced ENBIS members (**Fabrizio Ruggieri**, **Shirley Coleman** and **Marco Seabra dos Reis**) also a young Hungarian statistician **Emese Vágó** gave a talk. As a surprise guest, **Tony Greenfield** presented the Greenfield Challenge by Wiley.

In cooperation with **JMP** (the general sponsor of ENBIS and major sponsor of this particular conference) ENBIS representatives were able to distribute a promotional leaflet to the interested participants of the meeting. A suggestion for the future might be to include "industrial applications" to the title of such sessions, in order to attract those people who are not (yet) familiar with ENBIS and its activities.

A New Wiley Book on Data Mining by Johannes Ledolter

Wiley published *Data Mining and Business Analytics with R* by Johannes Ledolter in May 2013. This excellent graduate-level textbook for courses on data mining and business analytics is also a valuable reference for practitioners collecting and analyzing data in the fields of finance, operations management, marketing, and the information sciences. More information is available online at : <http://eu.wiley.com/WileyCDA/WileyTitle/productCd-111844714X.subjectCd-STB0.descCd->

Ron S. Kenett to Receive the 2013 Greenfield Industrial Medal by the Royal Statistical Society

Ron S. Kenett, Past President of ENBIS and an avid Ambassador of ENBIS, was named the recipient of the 2013 Greenfield Industrial Medal by the Royal Statistical Society.

The Royal Statistical Society conference will be held in Newcastle from 2nd to 5th September, 2013. The conference includes a special day devoted to statistics in practice on September 4th, during which **Ron S. Kenett**, Past President of ENBIS, will be awarded the prestigious Greenfield Industrial Medal. One day registration is possible.

After Ron's invited lecture at 9 a.m. on September 4th, the Quality Improvement Section of the Royal Statistical Society has organised an optional tour (at a small extra charge to cover transport) to visit to the *Skills Academy for Sustainable Manufacturing and Innovation (SASMI)* on the Nissan site nearby in Sunderland. The visit host will be **Josey Wardle** who is Infrastructure Manager of Zero Carbon Futures, a wholly owned subsidiary of Gateshead College. The trip itinerary is as follows:

10:00 Coach leaves Northumbria for the Nissan site to visit Gateshead College Sustainable Manufacturing and Innovation Centre housing Nissan's Global Automotive Training Centre for Europe (which includes India, Africa and Russia).

10:30 Outdoor tour of the charging posts which are used to charge up electric vehicles (EV). These posts are positioned all over the country and the NE is leading the field in their rollout, use and operational analysis. We will observe different types of charging posts and an EV or two.

11:00 Go indoors to a room in SASMI and have a 30 minutes talk from Josey about "How can statistics help establish a viable charging infrastructure for EVs?". Josey is doing a PhD using big data collected over the last 3 years from charging posts under the current multi-incentive model for using EVs and wants to identify the important factors for a business model for the infrastructure required for rollout of EVs in the next few years in which there will be fewer or no incentives and also there will be major technological changes. The data collection regime and other policies need to be determined based on the evidence collected in the past and from around the world.

11:30 Questions and Answers Session

12:00 Return to the conference in Newcastle.

For more details on the RSS conference visit <http://www.rssconference.org.uk/>. Some of the daily highlights include:

- *On Tuesday, September 3rd*: Plenary talk from Sir Mark Walport; Retrospective Read Paper from David Spiegelhalter; and the Society Awards Ceremony and Reception.
- *On Wednesday, September 4th*: Plenary talks from Doug Altman and Sharon Bertsch McGrayne; Workshop on Writing for a Non-Statistical Audience; and the Conference dinner at the Great North Museum.
- *On Thursday, September 5th*: Closing plenary from Sheila Bird; Papers from the Journal of the Royal Statistical Society; and Workshop on Peer Review (organised by the Voice of Young Science).

5th International Metrology Conference (CAFMET 2014)

The African Committee of Metrology (CAFMET) is organizing the Fifth International Conference of Metrology in Africa (CAFMET 2014). The conference will take place in the vibrant city of Pretoria (South Africa) from March 31st to April 3rd, 2014. Please check out the appended file for more details but note the deadline for abstract submissions has been extended to September 15th, 2013.

Also note that ENBIS has been invited to organize the **ENBIS Session @ CAFMET** and we are actively looking both for session organizer(s), chair and presenters. Those interested in participating should contact **Rainer Goeb** (goeb@mathematik.uni-wuerzburg.de) at their earliest convenience.

Course on Introduction to Categorical Data Analysis at the Royal Statistical Society in London

The course presented by Alan Agresti and Maria Kateri will take place on August 20th and 21st.

Alan Agresti is Distinguished Professor Emeritus in the Department of Statistics at the University of Florida. He has written six books, including "Categorical Data Analysis," which has received more than 10,000 citations in journal articles. He has presented lectures and short courses on categorical data methods in more than 30 countries.

Maria Kateri is Professor of Statistics and Stochastic Modelling in the Institute of Statistics at the RWTH University of Germany. Previously, she was Associate Professor of Statistics at the Universities of Piraeus and Ioannina, Greece. Her main research area comprises methods of categorical data analysis, with special emphasis on ordinal data. She has presented courses and seminars on categorical data methods for more than 10 years. Her research interests also include biostatistics, Bayesian analysis, and reliability.

The main objective of the course is to introduce attendees to the most important methods for categorical data analysis, and in particular to show them that there's a lot more that one can do than Pearson's chi-squared test.

Categorical data are common in practice, and when there are more than two categories, different methods apply for ordered than for unordered categories; it is useful for a methodologist to know the various options for analysing such data as well as the pros and cons of those approaches. The main emphasis is on introducing various models (emphasizing logistic regression) and their interpretations. Through examples, attendees will learn how to use the models and weigh the advantages and disadvantages of the various model types.

For more information and to register go to the website of the **Royal Statistical Society**: <http://www.rss.org.uk/courses>.

Open Calls and Invitations – Details to be found in the News Section of ENBIS Web

- *Technometrics* is soliciting submissions to a special issue on System Informatics.
- *Quality and Reliability Engineering International (QREI)* is soliciting submissions to a special issue on Data Mining.
- *Statistica Applicata (Italian Journal of Applied Statistics)* is soliciting submissions to a special issue on Customer Surveys and Market Forecasting.
- The *AMCTM Conference* is an IMEKO TC21 event (<http://www.imeko.org>) that will be organized by VNIIM (<http://www.vniim.ru>) in St. Petersburg (Russia) from September 10th to 12th, 2014, with short courses on September 9th. Download the First Announcement from <http://joomla.imeko.org/index.php/tc21-homepage/events-tc21>.

ENBIS Facebook, ENBIS LinkedIn and ENBISTweet at Your Disposal

To join, please search for "ENBIS" at the LinkedIn and the Facebook web sites or register as a follower of ENBISTweet.

ENBIS Facebook group is intended for sharing ENBIS-related events, photos, discussions, as well as building a social network of ENBIS members.

The ENBIS LinkedIn group is intended for professional discussions related to industrial statistics and for sharing information related to scientific activities, job postings, as well as linking members with joint interest areas.

2014 ENBIS Special Issue of QREI

Quality and Reliability Engineering International (QREI) along with the special issue editors **Sonja Kuhnt** and **Andras Zempleni** invites submissions for the 2014 ENBIS Special Issue of QREI based on (but not exclusively limited to) papers from ENBIS-13 in Ankara and y-BIS 2013 in Istanbul.

Manuscript submission deadline is December 15th, 2013. Authors should follow the instructions available at the Quality and Reliability Engineering International's website (<http://wileyonlinelibrary.com/journal/qre>) under "For Contributors" header and should submit their paper via the link for online submission provided on the manuscript submissions webpage <http://mc.manuscriptcentral.com/qre>.

The 2013 Greenfield Challenge Sponsored by Wiley

The First Prize goes to Michael Lutz, Espéran Padonou and Olivier Roustant for their excellent demonstration of the power of statistics.

In his 2009 Box Medal Acceptance Speech Tony Greenfield challenged the members of ENBIS with the following words:

My challenge to you is that you will tell some audience about work you have done, and completed successfully because you used a statistical method. But that audience must be of people who are not statisticians.

And you will have spoken to those people through publications that are for the wider public, through magazines or newspapers, or from a public platform. You might even write a short story or a play.

...

That is my challenge: Tell the world, outside your circle, of work you have done, and done successfully because you used statistics.

With the kind support of Wiley ENBIS decided to pick up the glove thrown by Tony: in 2010 the Greenfield Challenge was launched as an ongoing ENBIS activity.

In 2013 Wiley provided the awards. The travel and subsistence costs of the winner will be jointly covered by the **American Statistical Association** and ENBIS in celebration of the International Year

of Statistics 2013. The Greenfield Challenge Committee members **Shirley Coleman**, **Anne De Frenne** and **Irena Ograjenšek** reviewed the submissions and decided to award four of them.

The submission of the 2013 Greenfield Challenge Winners **Michael Lutz**, **Espéran Padonou** and **Olivier Roustant** is a demonstration to non-statisticians outside their circle that the work they have done could not have been done without statistics.

The efforts of **Dammika Lakmal Walpitage and her team** who won the Second Prize are directed towards non-statisticians, specifically the general public. The play (one in a series of plays) demonstrates the importance of statistics in a playful yet very thoughtful way.

The Third Prize is shared by **Ian Morton** and **Nicola Petty**. Ian uses nice examples to demonstrate what statistics means to him personally. Nicola created a web resource for statistics educators with numerous unusual examples. Both contributions are original but oriented more towards teaching/explaining than using statistics. They are nevertheless so exciting that they have to be publicly recognized.

All awarded submissions will be presented at ENBIS-13 in Ankara and made available on ENBIS Web shortly.

ENBIS News Publishing Info

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All ENBIS members are invited to send their contributions and news items by e-mail, preferably as an MS Word document, to the Editor.