

Dear participants,

This letter is following the 8th international & interdisciplinary conference "Vanguard scientific instruments in management ' 2015" (VSIM:15), but since there is a lot of useful information here, feel free to disseminate to whom you think is suitable.

Acknowledgements

First and foremost we would like to express our deepest gratitude to every in-person and distant participant in the conference. Your energy has activated us even more. As a whole this was the best, the most visited and the most interesting conferences of all organized so far. And as usual it was a great inspirational boost at the beginning of the academic year.

We would also like to extend our special gratitude to the co-organizers from Financial engineering solutions, Data science society, IEEE Young Professionals Bulgaria, Eudaimonia Production Ltd., as well as Vinprom Peshtera JSC and Mr. Svetlozar Manasiev for their support.

We also thank personnel of Study and recreational center of UNWE for the excellent work but also for the understanding.

Some statistics

The scientific conference "Vanguard scientific instruments in management ' 2015" (VSIM:15), was held from 09 to 13 September 2013 in the Study & Relaxation Center of UNWE at the town of Ravda. There were participating 65 researchers, including 44 young researchers. There were representatives of 25 universities, research institutes, business organizations and government agencies from Bulgaria and abroad. There were 69 presentations, including 15 in the poster session and 3 via video conferencing (Sofia, Israel, Canada), grouped in 7 topical discussions:

- Transhumanism, longevity, cybernetics: 9 papers, total time 7 h. 00 min. (around 47 minutes per paper on average)
- Data science: 8 papers, total time 3 h. 20 min. (around 25 minutes per paper on average)
- Teaching in 21 century: active methods: 6 papers, total time 3 h. 30 min. (around 35 minutes per paper on average)
- Human capital: 4 papers, total time 1 h. 40 min. (around 25 minutes per paper on average)
- Financial Engineering Solutions (third annual meeting): 15 papers, total time 5 h. 50 min. (around 24 minutes per paper on average)
- Public policies: 6 papers, total time 3 h. 45 min. (around 38 minutes per paper on average)
- Current issues in business management: 6 papers, total time 2 h. 15 min. (around 23 minutes per paper on average)

A workshop on "Adaptive Z-score tests for training purposes" was also held. The pride of our conference is that we did not even once suspend a presentation and we did not cut short any discussion. It turns out that the most intriguing topic was Transhumanism, Longevity, Cybernetics which became obvious even during the discussions, which included 2 teleconferences abroad. It is also worth noticing the third annual meeting of our new initiative Financial Engineering Solutions, as well as the active involvement of the co-organizers of IEEE Young Professionals Bulgaria и Data Science Society.

The results from our poster session are as follows:

30 points: Integration of Energy Markets: the case of USA-EU interdependence – Iva Ivanova, Borqna Cvetanova Bogdanova

18 points: Buy and Sell signals on Bucharest Stock Exchange - Razvan Stefanescu, Ramona Dumitriu

16 points: DIF - the necessary changes - Radoslav Tsonchev Stoimenka Tonova

10 points: Share distribution of GDP as part of the economic sectors located in the CP of the SCR, the 2008/2012 period - Petar Marinov, Kamen Petrov, Stella Todorova

9 points: Leadership and management of sales teams - Yavor Yankulov

The development of the concept of accountability in relation to the achievement of performance in social programming - Venelin Terziev, Evgenii Stoyanov

8 points: Role of trade on employment - Borislav Atanasov

7 points: Implementation of a process approach to recruitment in the "Labour Office" - Venelin Terziev, Ekaterina Arabska

Economic development of COMECON countries - Ramona Dumitriu, Razvan Stefanescu

6 points: Application of "single accountability" in the process of social programming - Venelin Terziev, Evgenii Stoyanov

3 points: Challenges to the provision of administrative services in the Employment Agency - Venelin Terziev, Ekaterina Arabska

Modern trends in information audit and its application to social programming - Venelin Terziev, Evgenii Stoyanov

As you can see the top three most interesting posters are generally from one of the main emerging theme of this year's conference: Financial engineering solutions

Photo and video

You could browse, download and upload photos from the conference in the specially assigned Dropbox folder:

https://www.dropbox.com/sh/ld2u8fugz6614m2/AAAc7gzqugdemGgMKoS5g_Mka?dl=0

Of course if you wish to upload (or remove unwanted by you photos) you should send us your e-mail so that we give you access.

Documents

All Certificate of attendance and all invoices which have not been received so far are issued. Please contact us to figure out a way to get them to you.

Publication

As usual the proceedings of the conference will be published in a volume of the electronic journal "VANGUARD SCIENTIFIC INSTRUMENTS IN MANAGEMENT" (ISSN 1314-0582), which we expect to be issued by the end of the year. Deadline for submitting papers is 30th October 2015. We would like to remind you that papers and presentations presented and discussed at the conference are accepted for publishing .

The editorial board of the journal is:

Prof. eng. PhD Angel Marchev - chairman

Prof. PhD Radoslav Tzonchev

Prof. PhD Mileti Mladenov

Prof. PhD Septemvrina Kostova

Prof. PhD Tamara Teplova

Prof. PhD Margarita Harizanova

Prof. PhD Boyan Lomev

Prof. PhD Mariyan Milev

Prof. PhD Kaloyan Haralampiev

Prof. eng. PhD Stanimir Kabaivanov

Prof. PhD Matilda Alexandrova - Boshnakova

Prof. PhD Violeta Kasarova

Prof. PhD Kiril Georgiev

Prof. PhD Alexander Efremov

We would like to remind you that all the previous volumes of the journal are available for browse and download at the official URL of the journal at <http://vsim-journal.info>.

Technical formatting and submitting of publication

This year the technical requirements for formatting of publications are changed. This is because of:

- Introducing of an automated online system of the electronic journal "VANGUARD SCIENTIFIC INSTRUMENTS IN MANAGEMENT" (ISSN 1314-0582);
- Indexing of the journal in the system of EconLit;
- Indexing of the journal in the system of Google Scholar;
- Possible and expected future indexing of the journal in the systems Scopus and Thompson-Reuters.

That's why the authors of publications have to follow the procedure described below. It is important to note that the responsibility for observance of the requirements for formatting of publications is entirely on the authors and any deviation from the requirements of the paper will be returned for reworking. The authors take full responsibility for the accuracy and originality of the text, at the same time they DO NOT transfer the publishing rights to the publisher of the journal.

Note: Publications for the "Financial engineering solutions" must include all the necessary program codes and detailed instructions to implement the algorithms.

The steps of publishing are:

- 1) Register on the website of electronic journal (if you have not done it yet);
- 2) Learn about the technical requirements and format the paper observing them closely;
- 3) Save the paper in PDF format;
- 4) Submit the paper through the website;
- 5) The paper is reviewed by technical reviewer and in case of deviation from the requirements, the paper will be returned for reworking.
- 6)* The paper is reviewed by two anonymous reviewers (if it is not represented at the conference or it has NOT reflected the feedback received during the discussions of the conference).
- 7)* The authors receive the review and if it is necessary, they rework the paper .
- 8)* The authors present the final version of the paper for publication.

* If necessary

Note: As of now the technical requirements are still not clarified. The detailed instructions for the implementation of each of these steps will be sent in the next few days by an e-mail.

Some links

The websites maintained by Bulgarian Academic Simulation And Gaming Association (BASAGA). Throughout the conference most of these sites were mentioned as part of a paper, as an introduction to a topic or as an answer to a question. We describe here the more important of all sites.

- <http://basaga.org> - main portal site of the organization with detailed description of various methodical units and profiles of the main personalities (very soon there will be a launch of the totally new design).
- <http://basaga.org/wiki> - Wiki Business Administration is a educational resource in Bulgarian, for everyone interested in the topics included in the wide understanding of Business management
- <http://basaga.org/contest> - site of the currently running competition Game4Fame among enthusiasts for creating computer educational games
- <http://ua.basaga.org/> - the social network of the students majoring in "Management and administration" at UNWE, maintained by us. At the moment the site is not functional, but it will be within a week.
- <http://alumba.eu> - social network and alumni club of the students graduated in Business administration at UNWE. At the moment the site is not functional, but it will be soon.
- <http://vsim-conf.info> - the official site of the conference series Vanguard scientific instruments in management, all the necessary communication about the conference on one place - registration, enrollment, technical program, etc.
- <http://vsim-journal.info> - the official site of the electronic scientific journal Vanguard scientific instruments in management (ISSN 1314-0582). The new platform will assume all the communication about the journal - registration, submitting papers, reviewers, reviews, etc.
- <http://futureshocked.in> - site of the project Future Shocked - a student competition for entrepreneurial business ideas, using exponential technologies
- <http://homoevolutis.info> - blog for the most important news in technology and their reflection on the post-human civilization
- <http://bit.ly/eud-books> - list with published of Eudaimonia Productions Ltd.

Participation in Friday Night Seminar

Due to the many questions on how to get information about meetups of Friday Night Seminar (FriNi), we put here some information. The meetups are for enthusiasts with wide interests and in mood for discussion. They are held almost exclusively on Friday evening 2-3-4 times per semester. If you wish to be informed about upcoming events, please enroll in the facebook group (<https://www.facebook.com/groups/176205079074342/>) or write a letter (don't forget to put your name) to the e-mail for enlisting in the mail-list of the seminar (frini_seminar-subscribe@yahoogroups.co.uk). During the last few years (also last few days) there have been ideas for running such seminars remotely online and in different cities- for example in Plovdiv, Varna and Burgas. We would be more than happy if it becomes reality and we would help organize it by utilizing online session through Google Hangouts or at least video streaming.

Additional invitations for other events

Several interesting conferences are organized in the coming weeks. Although their terms of registration are expiring / expired, the organizers will probably tend to accept your requests to participate, provided they are sent in the next few days (click on the links):

- [Scientific Conference on The Application of Mathematics, Statistics and Information Technology in The Economic and Business Process Modeling](#)
- [National scientific conference: "Prospects and challenges of modern management"\(Celebrating 90 years of the birth of prof. David Davidov\)](#)
- [5th International Conference on Application of Information and Communication Technology and Statistics in Economy and Education \(ICAICTSEE-2015\) which will take place on November 13 – 14th 2015](#)
- [11th INTERNATIONAL SCIENTIFIC CONFERENCE OF YOUNG SCIENTISTS THE ECONOMY OF BULGARIA AND THE EUROPEAN UNION: COMPETITIVENESS AND INNOVATIONS](#)

Contacts of the participants in the conference

Discussion topic: Transhumanism, longevity, cybernetics

- Transhumanism, longevity, cybernetics – Angel Marchev, 1.0, (angel_marchev@yahoo.co.uk);
- The Tasks of Longevity Promotion: Science, Ethics and Public Policy - Ilija Stambler, (<https://www.facebook.com/ilija.stambler/>);
- Emerging ethical, legal, sociological, technological issues - Nikola Danaylov, (<https://www.singularityweblog.com/>);
- Settleretics - new international science discipline about migration of digitalized psyche in artificial brain - Yan I. Kochmatiuk, (yakor77@ya.ru);
- Self-Organizing Data Mining Techniques in Model Based Simulation Games for Business Training and Education - Mihail Motzev, Frank Lemke, (Mihail.Motzev@wallawalla.edu);
- About the tools in the self-organizing environment - Vasil Marinov, (vpmarinov@hotmail.com);
- Futurology and society - Deyan Paskalev, (deyan.paskalev@gmail.com);
- History of the Association "Sub Specie Aeternitatis" Bulgaria – Tanyu Kolev, Zdravko Chuperov, (tjk@abv.bg);
- Personal immortality as a psyche migration, and not as a "Mind Uploading" - Tanyu Kolev, Mariana Krivoshapkova, (tjk@abv.bg).

Discussion topic: „Data science“

- Engineering approach and applications in non-technical areas - Alexander Efremov, (aefremov@gmail.com);
- Use of matrices of transition for the study of the reproduction of the party vote - Kaloyan Haralampiev, (k_haralampiev@phls.uni-sofia.bg);
- Methodological aspects in the study of the relationship between leadership and emotional intelligence - Ivailo Iliev, (iliev_ivaylo@abv.bg);
- Main methods and models to optimize backup and restore MS SQL Server - Ivan Kuyumdjiev, (ivan.ognyanov@gmail.com);
- Big data in logistics - challenge or opportunity - Nikolay Dragomirov, (nikolay@balbg.com);
- Complex techniques for managing online surveys with LimeSurvey - Petar Petrov, (p.k.petrov@ue-varna.bg);
- Model for evaluation of investment attitudes to start-up companies - Hristo Valov, Angel Marchev Jr. (hristo.vylov@gmail.com).

Discussion topic: „Financial engineering solutions“

- Portable solutions for barrier option valuation - Mariyan Milev, Stanimir Kabaivanov, (stanimir.kabaivanov@gmail.com);
- Empirical comparison of approaches to predict the return of investment portfolio through ARMA models and copula and through vector AR - Bojan Lomev, Nikolai Netov, (lomev@feb.uni-sofia.bg);
- Tests for adequacy of models for assessment of VaR - Nikolay Netov Boyan Lomev, (nnetoff@feb.uni-sofia.bg);
- Genetic fuzzy systems and applications - Penka Georgieva Valkova, (pgeorg@bfu.bg);
- Economic development of COMECON countries - Ramona Dumitriu, Razvan Stefanescu, (rzvn_stefanescu@yahoo.com);
- Buy and Sell signals on Bucharest Stock Exchange - Razvan Stefanescu, Ramona Dumitriu, (rzvn_stefanescu@yahoo.com);
- Investor's models - Stoyko Zapryanov, (stoiko@dir.bg);
- Presentation of Bulgarian mutual funds - measuring Jensen's Alpha - George Kaloferov (gkaloferov@gmail.com);
- Creating funds for restructuring and rescuing banks and investment firms in Bulgaria - Elena Ralinska (e.ralinska@yahoo.com);
- Interdependence of Energy Markets - Iva Ivanova, Boryana Tsvetanova Bogdanova, (bpelova@feb.uni-sofia.bg);
- Methodology for trading on financial markets - Marin Stoyanov (mar4o86@mail.bg);
- Financial challenges facing the pharmaceutical industry in Bulgaria - Petar Atanasov, (petyr_atanasov@abv.bg);
- DIF - the necessary changes - Radoslav Tsonchev Stoimenka Tonova, (stiki18@yahoo.com);
- Methodological issues of the analysis of the profitability of the manufacturing capital of industrial enterprise - Rositsa Ivanova (Rosi.Ivanova@abv.bg);
- Analysis of the pension system in Bulgaria - Stanislav Minev, (stanislavminev91.sm@gmail.com);
- Methodology for calculation of infrastructure charges for railways transport- Kremena Stancheva, (kasidi89@yahoo.com).

Discussion topic: Active methods of teaching

- More on the question of talent - Svetozar Manasiev, (research@abv.bg);
- Nature of e-learning and its application in higher education in Bulgaria - Daniel Penchev, Petar Petrov, (dpan4ev@yahoo.com);
- Use of video for training purposes - Daniel Penchev, (dpan4ev@yahoo.com);
- Management and training of human capital as a means of development of the company in a crisis - Desislava Petrovska, (desi_petrovska@abv.bg);
- Sociological aspects of online gaming - Dejan Paskalev, (deyan.paskalev@gmail.com);
- Integrated software platform for the administration and verification of adaptive tests ZTest - Emilian Yanev (yanev.emilian@gmail.com);
- Motivational theories and their relation to gamification - Ivelina Petrova, Angel Marchev, (ivelina.v.petrova@gmail.com);
- Implementation of gamification in business organizations in Bulgaria - Ivelina Petrova, Angel Marchev, (ivelina.v.petrova@gmail.com);
- Innovative methods to increase efficiency in training - Orlin Angelov, (capt.angelov@gmail.com);
- New opportunities for professional development of students studying accounting - Yassen Petkov, (yassen@contabilita-bg.com);

Discussion topic: Human Capital

- Integrate HR strategy in the business strategy of the organization - Tsvetana Stoyanova, (tzvetana_stoyanova@abv.bg);
- Relationship Management - Nadia Mironova, (nadimir@abv.bg);
- Talent management – an etymological study - Kiril Dimitrov, (kscience@unwe.eu);
- Role of trade on employment - Borislav Atanasov, (atanasov.borislav@abv.bg);
- Using real options in the management of human resources - Veneta Markovska, (venetta@abv.bg);
- Coaching approach in modern management - Milica Doncheva (milica.doncheva@abv.bg);
- Effective motivation through leadership in the organization- Neli Nikolova, (nik_nel@abv.bg);
- Human resources and priorities in sector Transport in Bulgaria - Svetozar Manasiev, (research@abv.bg);
- Leadership and management of sales teams - Yavor Yankulov (yankulov@abv.bg).

Discussion topic: Current topics in business management

- Innovative Strategy Model for Technology New Ventures - Sia Valentinova, (s.valentinova@gmail.com);
- Application of the new PPP business model - BLoOO in Bulgarian business - Krasimir Nikolov, (krasimir.nikolov_83@abv.bg);

- Management of customer relations in trade - Victoria Dimitrova , (marketing.dimitrova@gmail.com);
- Indicators to assess the competitiveness of the company - Daniel Parushev , (daniel_parushev@abv.bg);
- The crisis - a dynamic process in organizational development - Eleonora Alexandrova , (e_mateva@yahoo.com);
- Design of communication system network organizations - Emilia Duneva-Stoyanova, (emiliya_duneva@abv.bg);
- Using the potential of crowdfunding to fund projects in the arts - Ina Stanoeva ,(ina12_bg@yahoo.com);
- Current indicators of industrial policy - Romyana Angelova , (rumi2002@abv.bg);

Discussion topic: Public Policies

- Administrative penalties as a specific instrument in professional ethics - Gena Velkovska ,(gvelkovski@abv.bg);
- Development of the electricity market of the EU - George Chankov, (chankov_g@yahoo.com);
- Geoeconomic change from the Black Sea region to the Front Asia - Kamen Petrov ,(petrovk@abv.bg);
- Challenges to the provision of administrative services in the Employment Agency - Venelin Terziev, Ekaterina Arabska, (terziev@skmat.com);
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- Modern trends in information audit and its application to social programming - Venelin Terziev, Evgenii Stoyanov, (terziev@skmat.com);
- Share distribution of GDP as part of the economic sectors located in the CP of the SCR, the 2008/2012 period - Petar Marinov, Kamen Petrov, Stella Todorova , (petrovk@abv.bg);
- Application of the system for evaluating the performance of employees and the new payment model in the central administration - Stefan Petkov ,(stefan_2012@abv.bg).

See you soon and we wish you eternal life.

Angel Marchev

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