



## CONFERENCE PROCEEDINGS

### FULL TEXT PAPERS

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International Scientific Conference | Jindřichův Hradec, 2-6 September 2015

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Front page design

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Articles published in the form submitted by the authors

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Publisher: University of Economics, Prague,

Oeconomica Publishing House

Year of Publication: 2015

Print: University of Economics, Prague,

Oeconomica Publishing House

[www.vse.cz/oeconomica](http://www.vse.cz/oeconomica)

[www.eshopoeconomica.cz](http://www.eshopoeconomica.cz)

ISBN 978-80-245-2099-5

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## Foreword

The 18<sup>th</sup> year of the scientific conference Applications of Mathematics and Statistics in Economics (AMSE 2015) was held in Jindřichův Hradec (the Czech Republic) between 2<sup>nd</sup> and 6<sup>th</sup> September 2015. In 1998, when it took place for the first time, representatives of departments of statistics from the Faculty of Informatics and Statistics of the University of Economics, Prague and the Department of Applied Informatics of the Faculty of Economics of the Matej Bel University in Banská Bystrica agreed to deepen cooperation of the mentioned workplaces. Thus, besides personal professional contacts among members of the statistical departments, a tradition of alternating in organisation of international conferences of the same or similar topic was founded. In 2000, also Polish statisticians were invited because economic issues to cope with are similar in the Czech Republic, Slovakia, and Poland. The invitation of Polish colleagues from the Wrocław University of Economics (statistical workplaces with which statistical departments of the University of Economics, Prague had already had very good relationships for a long time) was just a natural consequence of the further development policy regarding thematic orientation of the conferences. Information exchange among experts from Central European countries was and is very challenging. The conference was gradually developing both in terms of its programme as well as regarding its participants (a higher share of postgraduate students) and it became a “natural” part of professional contacts of experts from statistical departments from the mentioned universities. The result of the cooperation mentioned was that the 17<sup>th</sup> AMSE 2014 papers were included into the Conference Proceedings Citation Index of the Web of Science database.

Contributions presented at 18<sup>th</sup> AMSE were divided into 6 thematic units which correspond to applications of statistics and mathematics in

- macroeconomics,
- finances and taxes,
- social economics,
- microeconomics,
- demographics,
- insurance and retirement system.

Each contribution was reviewed by two independent reviewers who come from two countries which differ from the author’s country of origin. After the review process 29 papers were accepted which will be published in the form of CD conference proceedings and at the conference website (<http://amse2015.cz>).

It is our pleasure to thank all authors for the contributions sent and presented and all reviewers for their reviews and suggestions which all led to an increase in the quality of papers. Acknowledgement belongs to Kristýna Vltavská, Martin Boďa and Beata Zmyšlona for their excellent organization of the whole review process and for their indisputable credit in the inclusion of Applications of Mathematics and Statistics in Economics (AMSE 2014) into the Web of Science database.

*Stanislava Hronová  
Kristýna Vltavská*