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## International Conference on Official Statistics ICOS2019

November 14-15, 2019  
Sarajevo, Bosnia and Herzegovina

### CONFERENCE AGENDA

#### Conference venue

School of Economics and Business, University of Sarajevo  
Trg Oslobođenja Alija Izetbegović 1, 71000 Sarajevo

#### DAY 1: Thursday, November 14, 2019

08:00 – 09:30	Participant Registration
09:30 – 10:15	Conference opening  <b>Jasmina Selimović</b> , Dean, School of Economics and Business, University of Sarajevo  <b>Emir Kremlić</b> , Director, Institute for Statistics of FB&H  <b>Fadil Novalić</b> , Prime Minister of the Federation of BiH  <b>Dr. Harry Miller</b> , in memoriam
10:15 – 10:30	Coffee/tea break
10:30 – 12:00	Keynote Speakers  <b>Dr. Edwin Diday</b> , Professor emeritus, Paris Dauphine University France, <i>Presentation of the main concepts of Symbolic Data Analysis: theory and practice</i>  <b>Dr. Ksenija Dumičić</b> , Professor, Faculty of Economics and Business, University of Zagreb, <i>Eurostat's Navigation Tools for Research and Motivation in Teaching Statistics: EU Enlargement Countries' Data in Focus</i>  <b>Dr. Robert Stehrer</b> , The Vienna Institute for International Economic Studies, <i>Tangible and Intangible Assets in the Growth Performance of the EU, Japan and the US - A comparative analysis based on the EU KLEMS Release 2019</i>
12:00 – 12:15	Coffee/tea/snack break

12:15 – 13:45

**Panel (FZS): Razvoj i unapređenje metodologija anketnih istraživanja statističkih institucija u jugoistočnoj Evropi**  
(Amphitheater Tondach, 3<sup>rd</sup> floor)

**Vesna Lipavić**, The Croatian Bureau of Statistics Croatia, Croatia, The head of Social Statistics Sector, *Izazovi usklađivanja anketnih istraživanja sa EU standardima na Zapadnom Balkanu*

**Martina Špundak**, The Croatian Bureau of Statistics Croatia, Croatia, Labour Market Statistics -The head of Department, *Analiza neformalne zaposlenosti u ARS-u: pristupi, izazovi, rješenja*

**Vesna Pantelić**, The Statistical Office of the Republic of Serbia, Serbia, Acting Assistant Director - Department Group for Coordination of the Statistical System, *Discrepancies between employment from administrative sources and LFS employment: case of Serbia*

**Nataša Mijakovac**, The Statistical Office of the Republic of Serbia, Serbia, The head of Living Standards Statistics Division, *Discrepancies between employment from administrative sources and LFS employment: case of Serbia*

**Ivana Tanjević**, Statistical office of Montenegro – MONSTAT, Montenegro, Department of Labour market - The head of Department, *Methodological differences in survey and registered unemployment in Montenegro*

**Lazo Šegrt**, Institute for Statistics of Republic of Srpska, B&H, Senior associate for agricultural and fishery statistics, *Annual farm sample survey as an instrument for improving quality of agricultural statistics and harmonization with the EU regulations*

14:00 – 15:00

Lunch

15:00 – 16:30

**Parallel Session 1a, Official Statistics (improvement, harmonization, data collection, tools, methods, sector-specific statistics, etc.)**  
(Amphitheater Tondach, 3<sup>rd</sup> floor. Moderator: Edin Šabanović, Msc)

**Emma Mišić**, Statistical Office of the Republic of Slovenia, *Business Statistics and the Use of Administrative Data*

**Hasan (M) Hanic, Milica (Z) Bugarcic, Lejla (R) Dacic**, Belgrade banking academy, University "Union" Belgrade, Faculty of Management and Business Economics, University of Travnik, *Examination of the impact of household income on expenditure on clothing and footwear in Bosnia and Herzegovina and Serbia*

**Merima Balavac, Josefina Posadas**, School of Economics and Business, University of Sarajevo, The World Bank Group, *Evaluation of the Employment Program Opportunity for All of the Federation of Bosnia and Herzegovina*

**Dragana Radicic, Geoff Pugh, Mehtap Hisarciklilar**, Lincoln International Business School, Staffordshire University Business School, School of Economics, Finance and Accounting, Coventry University, *Individual and policy mix effects of regional and national R&D subsidies on the cooperative behaviour of Spanish manufacturing firms*

	<p><b>Serhat Atakul</b>, Turkish Statistical Institute, <i>Localized Dissemination System</i></p> <p><b>Edin Šabanović, Rabija Somun-Kapetanović</b>, Agency for Statistics of Bosnia and Herzegovina, School of Economics and Business, University of Sarajevo, <i>Methods for treatment of missing data in statistical surveys: overview of existing solutions</i></p> <p><b>Filipe Afonso, Edwin Diday, Simona Korenjak-Černe, Aleša Lotrič Dolinar</b>, Symbad – Le Symbolic Data Lab, CEREMADE, University Paris-Dauphine, University of Ljubljana Faculty of Economics, <i>Studying EU countries regarding mortality with SYR program</i></p>
<b>15:00 – 16:30</b>	<p><b>Parallel Session 1b, Application of statistical methodology (Economics, Finance, Health, Education and other related disciplines) and Business Statistics (use of administrative and accounts data, challenges and development)</b> (E-net Center, 3<sup>rd</sup> floor, Moderator: Emina Resić, PhD)</p> <p><b>Irma Đideliija, Rabija Somun-Kapetanović</b>, The Faculty of Economy of Dzemal Bijedic University of Mostar, School of Economics and Business, University of Sarajevo, <i>Analysis of the factor of savings of private profit enterprises in BiH by application of ECM methodology</i></p> <p><b>Lejla Turulja, Nijaz Bajgorić</b>, School of Economics and Business, University of Sarajevo, <i>Comparison of structural equation modelling and multiple regression techniques for moderation and mediation effect analysis</i></p> <p><b>Le Thai Hong</b>, Bournemouth University, <i>Convergence and heterogeneity in global diets</i></p> <p><b>Anshul Saxena, Sankalp Das, Muni Rubens, Joseph Salami, Chintan Bhatt, Tian Tian, Lejla Turulja, Peter McGranaghan, Louis Gidel, Emir Veleđar</b>, Baptist Health South Florida, School of Economics and Business, University of Sarajevo, <i>Predicting employee health and cost: application of machine learning on employee health claims data, insights and possibilities</i></p> <p><b>Ksenija Dumičić, Blagica Novkovska, Emina Resić</b>, Faculty of Economics and Business, University of Zagreb, Faculty of Economics, University of Tourism and Management in Skopje, School of Economics and Business, University of Sarajevo, <i>Share of adults who order goods or services online influenced by share of those with digital skills broken down by gender: cluster analysis across European countries</i></p> <p><b>Irzada Taljić, Adela Delalić</b>, University of Sarajevo, Faculty of Educational Sciences, School of Economics and Business, University of Sarajevo, <i>Relation between BMI of adolescents and socio-economic status of family</i></p> <p><b>Sanjin Čengiđ</b>, Institute for Statistics of Federation BiH, <i>The fourth industrial revolution and ICT sector in Bosnia and Herzegovina</i></p>
<b>19:00</b>	<p><b>Evening Reception for participants and guests</b> Cocktail and the Best Student Paper Awards ceremony @ Hotel Europe, Vladislava Skarića 5, 71000 Sarajevo</p>

**DAY 2: Friday, November 15, 2019**

<b>09:00 – 10:30</b>	<b>Keynote Speakers</b>  <b>Dr. Cesar Cancho</b> , World Bank, <i>Time to quit: The Tobacco tax increase and household welfare in Bosnia and Herzegovina</i>  <b>Dr. Vassilis Monastiriotis</b> , London School of Economics and Political Science, <i>The local economic effects of soft borders - Evidence from the dissolution of the Union of Serbia and Montenegro</i>  <b>Dr. Jasmin Komić</b> , Director Republic Srpska Institute of Statistics,
<b>10:30 – 10:45</b>	Coffee/tea break
<b>11:00 – 13:00</b>	<b>Parallel Session 2a: Econometrics modelling for policy making, Social and welfare statistics and Big data and machine learning</b> <b>(Amphitheater Tondach, 3<sup>rd</sup> floor, Moderator: Adela Delalić, PhD)</b>  <b>Dedić Lejla, Merima Balavac</b> , School of Economics and Business, University of Sarajevo, <i>Determinants of Customer Satisfaction in the Hotel Industry: Application of Factor Analysis and Ordinal Logistic Model</i>  <b>Adela Delalić, Ademir Abdić, Muamer Halilbašić</b> , School of Economics and Business, University of Sarajevo, <i>How efficient targeting in Social Services in Federation of Bosnia and Herzegovina?</i>  <b>Renzo Castellares, Gerson Cornejo</b> , Central Reserve Bank of Peru, <i>Leading indicator for employment using big data</i>  <b>Jelena Suzić</b> , Statistical Office of the Republic of Serbia, <i>Methodological research in the Serbian survey on income and living conditions</i>  <b>Emina Resić, Ademir Abdić, Adem Abdić, Fahir Kanlić</b> , School of Economics and Business, University of Sarajevo, Agency for Statistics of Bosnia and Herzegovina, <i>Modelling and forecasting GDP in Bosnia and Herzegovina using ARIMA models</i>  <b>Tea Baldigara</b> , University of Rijeka Faculty of Tourism and Hospitality Management, <i>Modelling the employment in Croatian tourism and hotel industry using the Box-Jenkins and the neural network methodology</i>  <b>Edin Šabanović</b> , Agency for Statistics of Bosnia and Herzegovina, <i>Targeting by numbers: the use of official statistics for estimating social transfers distribution in Bosnia and Herzegovina</i>  <b>Merima Balavac, Selena Begović</b> , School of Economics and Business, University of Sarajevo, <i>The effect of non-tariff barriers on export of CEFTA member countries</i>

11:00 – 13:00	<p><b>Parallel Session 2b: Special session for students and young researchers</b> (E-net Center, 3<sup>rd</sup> floor, Moderator: Almira Arnaut-Berilo, PhD)</p> <p><b>Emil Ninković</b>, School of Economics and Business, University of Sarajevo, <i>Analysis of factors affecting youth to vote on elections case study: Students of School of Economics and Business at the University of Sarajevo</i></p> <p><b>Zemina Selmani</b>, School of Economics and Business, University of Sarajevo, <i>Analysis of the main factors that cause stress during the education at the School of Economics and Business at the University of Sarajevo</i></p> <p><b>Ajla Šušić</b>, School of Economics and Business, University of Sarajevo, <i>Determinants of success of studying at the School of Economics and Business at the University of Sarajevo</i></p> <p><b>Eldar Komar, Emina Kuloglija</b>, School of Economics and Business, University of Sarajevo, <i>Economic determinants of students' academic achievement in Bosnia and Herzegovina</i></p>
13:00 – 14:00	<p>Lunch</p> <p>Closing of the conference</p>