



International Scientific Conference
Smart Governments, Regions and Cities
Economics of Digital Transformation



Preliminary Program

of the International Scientific Conference
Economics of Digital Transformation (EDT) 2019
DIGITOMICS



Sunday, June 2nd 2019

17.00 – 21.00 REGISTRATION

Monday, June 3rd 2019

08.00 – 09.00 REGISTRATION

09.15 – 09.30 OPENING AND CONFERENCE GREETINGS - Grand Hall of the Hotel Ambassador

OPENING GREETING FROM CROATIAN PRESIDENT KOLINDA GRABAR KITAROVIC

09.40 – 10:20 PLENARY SESSION (I)- Grand Hall of the Hotel Ambassador

Keynote speaker:

Robert J. Barro, Paul M. Warburg Professor of Economics, Harvard University, Cambridge, USA: *Impact of Taxes and Regulations on Economic Growth*

10.25 – 11.30 PANEL DISCUSSION - Fiscal and monetary issues under euro framework
Grand Hall of Hotel Ambassador

Boris Vujčić, Croatian National Bank, Zagreb, Republic of Croatia

Ante Žigman, Croatian Financial Service Supervisory Agency, Zagreb, Republic of Croatia

11.30 – 12.00 COFFEE BREAK

12.00 – 14.00 PLENARY SESSION (II) + PANEL DISCUSSION ON THE SMART CITIES - Grand Hall of the Hotel Ambassador

Keynote speakers:

Nicholas C. Zingale, Maxine Goodman Levin School of Urban Affairs, Cleveland State University: *Transcending Smart Cities: Creating the Conditions for Catalytic Learning, Networking and Innovation*

Eugenio Leanza, European Investment Bank: *Digital Transition: the role of intangibles on capital accumulation processes*

Chen Ying, National University of Singapore, Faculty of Science, Singapore: *Sentiment Asset Pricing with DNN Supervised Learning*

Within the Program two meetings will be held:

11.30-13.45 – BUSINESS INFORMATICS DEPARTMENTS MEETING – Room A

12.00 – 14.00 – MEETING OF THE WORKING GROUP OF THE PRESIDENT OF THE REPUBLIC OF CROATIA FOR DEVELOPMENT OF GUIDELINES FOR FURTHER FISCAL DECENTRALIZATION AND REGIONAL DEVELOPMENT OF THE REPUBLIC OF CROATIA – Room B

14.00 – 15.30 LUNCH

15.30 – 17.30 SESSIONS – AS DESCRIBED IN THE INDIVIDUAL AGENDA

20.15. GALA DINNER

Tuesday, June 4th 2019

10.15 – 12.30 SESSIONS – AS DESCRIBED IN THE INDIVIDUAL AGENDA

12.45 – 13.15 CLOSING SESSION

13.20 LUNCH

SESSION 1

Regulation economics

Monday, June 3rd 2019, 15.30 -17.30 - Room A

Chair Person and Reporter:

Francesco Gaspari, University G. Marconi, School of Law, Rome, Italy

Stefano Rossa, University of Eastern Piedmont, Department of Law, Political, Economics and Social Sciences, Vercelli, Italy

THE DIGITALIZATION OF THE PUBLIC ADMINISTRATION AND BORN-DIGITAL FUNCTIONS: A MODERN “JANUS BIFRONS”

Francesco Gaspari, University G. Marconi, School of Law, Rome, Italy

POLICY AND LEGAL CHALLENGES IN IMPLEMENTING SMART CITIES

Viviana Vaira, University of Turin, Department of Management, Turin, Italy

SMART CITIES, INNOVATION AND PUBLIC PROCUREMENT STRATEGIES

Alessandro Burro, University of Trento, Faculty of Law, Trento, Italy

Paolo Sommaggio, University of Trento, Faculty of Law, Trento, Italy

A NEW METHOD FOR THE LEGAL CATEGORIZATION OF COMMODIFIED PERSONAL DATA

SESSION 2
**Digital single market labour in Europe/New Challenges in Culture,
Tourism, Health and Maritime**

Monday, June 3rd 2019, 15.30 -17.30 - Room B

Chair Person and Reporter:

Igor Cvečić, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia
Nina Begičević Redep, University of Zagreb, Faculty of Organization and Informatics,
Varaždin, Croatia

Igor Cvečić, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia
Danijela Sokolić, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia
Marko Tomljanović, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia
CHANGING WORKERS SKILLS IN AN ERA OF DIGITALIZATION

Barbara Buljat, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia
Ana Babić, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia
Zvonko Čapko, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia
**PEOPLE'S HABITS IN THE DIGITAL ENVIRONMENT AS A PREREQUISITE FOR
SUCCESSFUL BUSINESS PERFORMANCE ON FACEBOOK**

Borut Vojinović, University of Maribor, Faculty of Tourism, Maribor, Slovenia
Franc Križanič, Institute of Economics, Ljubljana, Slovenia
Vasja Kolšek, Institute of Economics, Ljubljana, Slovenia
**EFFECTS OF RENEWAL INVESTMENTS IN IMMOVABLE CULTURAL HERITAGE
ON SLOVENIAN PUBLIC FINANCES**

Gorana Stumpf, University of Rijeka, Faculty of Maritime Studies, Rijeka, Croatia
Alen Jugović, University of Rijeka, Faculty of Maritime Studies, Rijeka, Croatia
Dunja Škalamera-Alilović, University of Rijeka, Faculty of Economics and Business, Rijeka,
Croatia
**RESEARCH AND DEVELOPMENT AND ECONOMIC GROWTH: EU PORT
REGIONS**

Jana Rozmarinová, Masaryk University, Faculty of Economics and Administration, Brno,
Czech Republic
HEALTH TECHNOLOGY ASSESSMENT

Hrvoje Pezo, Ars Salutaris, Zagreb, Croatia
Luka Samaržija, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia
**THE IMPACT OF DIGITAL TECHNOLOGIES ON QUALITY PERFORMANCE AND
PROCESS ADVANCEMENT IN DENTAL MEDICINE**

SESSION 3

Contemporary Issues and Challenges of the Smart Cities

Monday, June 3rd 2019, 15.30 -17.30 - Room C

Chair Person and Reporter:

Sasa Drezgić, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia

Primož Pevcin, University of Ljubljana, Faculty of Public Administration, Ljubljana, Slovenia

Massimiliano Minaudo, University of Palermo, Faculty of Economics, Palermo, Italy

IMPLICATION OF THE TECHNOLOGICAL EVOLUTION OF BUILDINGS FROM DOMOTICS TO SMART HOMES

Olga Bogdanov, University of Belgrade, Faculty of Organizational Sciences, Belgrade, Serbia

Veljko Jeremić, University of Belgrade, Faculty of Organizational Sciences, Belgrade, Serbia

Sandra Jednak, University of Belgrade, Faculty of Organizational Sciences, Belgrade, Serbia

Mladen Čudanov, University of Belgrade, Faculty of Organizational Sciences, Belgrade, Serbia

SCRUTINIZING THE SMART CITY INDEX: A MULTIVARIATE STATISTICAL APPROACH

Jelena Ruso, University of Belgrade, Faculty of Organizational Sciences, Belgrade, Serbia

Ana Horvat, University of Belgrade, Faculty of Organizational Sciences, Belgrade, Serbia

Milica Maricic, University of Belgrade, Faculty of Organizational Sciences, Belgrade, Serbia

DO INTERNATIONAL STANDARDS INFLUENCE THE DEVELOPMENT OF SMART REGIONS AND CITIES?

Primož Pevcin, University of Ljubljana, Faculty of Public Administration, Ljubljana, Slovenia

THE EVIDENCE ON SMART CITY LABELLING AND STRATEGIES

Jasmina Pivar, University of Zagreb, Faculty of Economics and Business, Zagreb, Croatia

CITY MANAGEMENT SUPPORT AND SMART CITY STRATEGY AS SUCCESS FACTORS IN ADOPTING BIG DATA TECHNOLOGIES FOR SMART CITIES

Shekoofeh Farahmand, University of Isfahan, Economic Department, Isfahan, Iran

Srdjan Redzepagic, University Cote d'Azur, GREDEG, Nice, France

GOVERNING A COASTAL SMART CITY

Davor Vašiček, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia

Damir Juričić, University of Rijeka, Center for Support to Smart and Sustainable Cities, Rijeka, Croatia

SIGNIFICANCE OF IDENTIFICATION AND QUANTIFICATION OF RISKS IN THE PROCESSES OF PREPARATION, CONTRACTING AND IMPLEMENTATION OF SMART CITIES PROJECTS

Saša Drezgić, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia
Beth Nagy, Cleveland State University, Maxine Goodman Levin School of Urban Affairs,
Cleveland, USA

**COMPARATIVE PERSPECTIVE ON U.S, EUROPEAN AND ASIAN CONCEPT AND
PRACTICE OF SMART CITIES DEVELOPMENT**

SESSION 4
Enterprises in digital era – current state and challenges

Monday, June 3rd 2019, 15.30 -17.30 - Room D

Chair Person and Reporter:

Katja Zajc Kejžar, University of Ljubljana, Faculty of Economics, Ljubljana, Slovenia

Nina Ponikvar, University of Ljubljana, Faculty of Economics, Ljubljana, Slovenia

Dragana Stojanović, University of Belgrade, Faculty of Organizational Sciences, Belgrade, Serbia

Barbara Simeunović, University of Belgrade, Faculty of Organizational Sciences, Belgrade, Serbia

Ivan Tomašević, University of Belgrade, Faculty of Organizational Sciences, Belgrade, Serbia

Ivona Jovanović, University of Belgrade, Faculty of Organizational Sciences, Belgrade, Serbia

THE INFLUENCE OF BUSINESS PROCESS PRIORITIZATION ON SUCCESS OF BPM ADOPTION

Darja Peljhan, University of Ljubljana, Faculty of Economics, Ljubljana, Slovenia

Katja Zajc Kejžar, University of Ljubljana, Faculty of Economics, Ljubljana, Slovenia

Nina Ponikvar, University of Ljubljana, Faculty of Economics, Ljubljana, Slovenia

FIRM FOUNDER STRUCTURE AND EXIT PROCESS

Jan Zwolak, Faculty of Economics and Legal Sciences, Radom, Poland

EVALUATION OF INNOVATION OUTLAYS AND PATENTS IN INNOVATIVE ENTERPRISES IN POLAND

Helena Šlogar, Libertas International University, Zagreb, Croatia

Heri Bezić, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia

THE RELATIONSHIP BETWEEN THE BASIC CHARACTERISTICS OF THE COMPANY AND INNOVATIVENESS

Maja Ivanović-Đukić, University of Niš, Faculty of Economics, Niš, Serbia

Tatjana Stevanović, University of Niš, Faculty of Economics, Niš, Serbia

Tamara Rađenović, University of Niš, Faculty of Economics, Niš, Serbia

DOES DIGITALIZATION AFFECT THE CONTRIBUTION OF ENTREPRENEURSHIP TO ECONOMIC GROWTH

Robert Marciniak, Corvinus University of Budapest, Corvinus Business School, Budapest, Hungary

IMPACT OF INDUSTRY 4.0 TECHNOLOGIES FOR BUSINESS SERVICES IN HUNGARY

Saša Mitrović, Josip Juraj Strossmayer University of Osijek, Faculty of Economics, Osijek, Croatia

Branimir Dukić, Josip Juraj Strossmayer University of Osijek, Faculty of Economics, Osijek, Croatia

Stojanka Dukić, Dux Mission d.o.o., Osijek, Croatia

**CUSTOMER RELATIONSHIP MANAGEMENT MODEL AS A FUNCTION IN
INDUSTRY 4.0**

SESSION 5
**Central and East Europe and Western Balkan Countries in the
Process of Digital Transformation**

Tuesday, June 4th 2019, 10.15 -12.30 - Room A

Chair Person and Reporter:

Alemka Šegota, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia
Vlatka Bilas, University of Zagreb, Faculty of Economics and Business, Zagreb, Croatia

Alemka Šegota, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia
Marko Tomljanović, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia
Antonija Kranjec, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia
INNOVATION EFFICIENCY OF THE WESTERN BALKAN COUNTRIES

Tanja Broz, The Institute of Economics, Zagreb, Croatia
Goran Buturac, The Institute of Economics, Zagreb, Croatia
Miloš Parežanin, University of Belgrade, Faculty of Organizational Sciences, Belgrade, Serbia
**CROSS-BORDER EFFECTS OF DIGITAL TRANSFORMATION IN WESTERN
BALKAN COUNTRIES**

Milenko Krajišnik, University of Banja Luka, Faculty of Economics, Banja Luka, Bosnia and Herzegovina
Dragan Gligorić, University of Banja Luka, Faculty of Economics, Banja Luka, Bosnia and Herzegovina
Biljana Gojković, Fiscal council of the Republic of Srpska, Banja Luka, Bosnia and Herzegovina
EFFECTS OF FISCAL CONSOLIDATION IN WESTERN BALKAN COUNTRIES

Gojko Rikalović, University of Belgrade, Faculty of Economics, Belgrade, Serbia
Sonja Josipović, University of Belgrade, Faculty of Mechanical Engineering, Belgrade, Serbia
Dejan Molnar, University of Belgrade, Faculty of Economics, Belgrade, Serbia
**CREATIVE CLASS AND ENTREPRENEURIAL POTENTIAL OF RURAL AREAS OF
SERBIA: CONCEPT AND MEASUREMENT**

Pawel Dobrzanski, Wroclaw University of Economics, Faculty of Economic Science, Wroclaw, Poland
**STRUCTURAL AND PRODUCTIVITY CHANGES OF CENTRAL AND EASTERN
EUROPE**

Mile Bošnjak, University of Zagreb, Faculty of Economics and Business, Zagreb, Croatia
Vlatka Bilas, University of Zagreb, Faculty of Economics and Business, Zagreb, Croatia
Domagoj Račić, J.J. Strossmayer University of Osijek, Faculty of Economics, Osijek, Croatia
TIME – VARYING PARAMETERS OF CROATIAN IMPORT DEMAND

Doctoral Student Workshop

Tuesday, June 4th 2019, 10.15 -12.30 - Room B

Chair Person and Reporter:

Sasa Žiković, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia

Helena Blažić, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia

Maria Čuljak, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia

Josip Arnerić, University of Zagreb, Faculty of Economics and Business, Zagreb, Croatia

Saša Žiković, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia

HOW ACCURATELY STOCK MARKET EXPECTATIONS CAN BE PREDICTED?

Barbora Baisa, Masaryk University, Faculty of Economics and Administration, Brno, Czech Republic

CONSEQUENCES OF UNFAIR JOB PROMOTIONS IN COMPANIES

Martina Jaňurová, Masaryk University, Faculty of Economics and Administration, Brno, Czech Republic

Markéta Chaloupková, Masaryk University, Faculty of Economics and Administration, Brno, Czech Republic

OBSTACLES IN IMPLEMENTATION OF THE SMART CITY STRATEGIES IN THE CZECH REPUBLIC

Jakub Anusik, University of Lodz, Faculty of Economics and Sociology, Lodz, Poland

DEMOCRACY AND GROWTH IN LATIN AMERICA

Nejc Lamovšek, University of Ljubljana, Faculty of Public Administration, Ljubljana, Slovenia

Maja Klun, University of Ljubljana, Faculty of Public Administration, Ljubljana, Slovenia

USE OF THE DEA VRS METHODOLOGY ON THE CASE OF BIOMEDICAL LABORATORIES

Lucia Makýšová, Masaryk University, Faculty of Economics and Administration, Brno, Czech Republic

WITH SOCIAL ENTERPRISES TOWARDS SMART GOVERNANCE IN SOCIAL POLICY – MYTH OR REALITY?

Daria Maravić, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia

INTANGIBLE CAPITAL IN CROATIA: LITERATURE REVIEW

Nico Rosamilia, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia

Saša Drezgić, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia

Igor Cvečić, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia

HISTORICAL FISCAL STIMULUS EFFECTIVENESS FOR EMU COUNTRIES NOT MEETING MAASTRICHT'S CRITERIA

Denis Buterin, Polytechnic of Rijeka, Rijeka, Croatia

Vesna Buterin, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia

Saša Drezgić, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia

DEMOGRAPHIC TRENDS AND PENSION SYSTEM SUSTAINABILITY IN CROATIA

Zvonimir Savić, Croatian Chamber of Economy, Zagreb, Croatia

Saša Drezgić, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia

**PREPARATION OF THE IMPLEMENTATION STRUCTURE OF EUROPEAN
STRUCTURAL AND INVESTMENT FUNDS FOR THE 2021+ PERIOD:
EVOLUTIONARY OR REVOLUTIONARY?**

SESSION 6
Monetary and Fiscal Policy in the Process of
Digitalization

Tuesday, June 4th 2019, 10.15 -12.30 - Room C

Chair Person and Reporter:

Mile Bošnjak, Faculty of Economics and Business, University of Zagreb, Zagreb, Croatia

Wolfgang Karl Härdle, Humboldt-Universität zu Berlin, Institute for Statistics und
Econometrics School of Business and Economics, Berlin, Germany

Sabina Hodžić, University of Rijeka, Faculty of Tourism and Hospitality Management, Opatija,
Croatia

Dubravka Jurlina Alibegović, Institute of Economics, Zagreb, Croatia

Emira Bečić

FISCAL PERFORMANCE OF LOCAL GOVERNMENT UNITS
FOR SMART REGIONS

Tomasz Schabek, University of Lodz, Faculty of Economics and Sociology, Lodz, Poland

Bojana Olgic Draženović, University of Rijeka, Faculty of Economics and Business, Rijeka,
Croatia

Davor Mance, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia

REACTIONS OF ZAGREB STOCK EXCHANGE CROBEX INDEX TO
MACROECONOMIC ANNOUNCEMENTS IN HIGH FREQUENCY TIME INTERVAL

Mile Bošnjak, University of Zagreb, Faculty of Economics and Business, Zagreb, Croatia

Ivan Novak, University of Zagreb, Faculty of Economics and Business, Zagreb, Croatia

Maja Bašić, University of Zagreb, Faculty of Economics and Business, Zagreb, Croatia

PERSISTENCE OF SHOCKS IN CDS RETURNS ON CROATIAN BONDS: QUANTILE
AUTOREGRESSION APPROACH

Simon Trimborn, Humboldt-Universität zu Berlin, Center for Applied Statistics and Economics, Berlin,
Germany

Wolfgang Karl Härdle, Humboldt-Universität zu Berlin, Center for Applied Statistics and Economics,
Berlin, Germany

CRIX THE CRYPTO INDEX

SESSION 7
Issues and Challenges in Public
Administration and Accounting in an Era of Digitalization

Tuesday, June 4th 2019, 10.15 -12.30 - Room D

Chair Person and Reporter:

Ana Lalević Filipović, University of Montenegro, Faculty of Economics, Podgorica, Montenegro

Filip Hrůza, The Office of the Government of the Czech Republic, Malá Strana, Czech Republic

Ljiljana Kaščelan, University of Montenegro, Faculty of Economics, Podgorica, Montenegro

Ana Lalević Filipović, University of Montenegro, Faculty of Economics, Podgorica, Montenegro

Milijana Novović Burić, University of Montenegro, Faculty of Economics, Podgorica, Montenegro, University of Montenegro, Faculty of Economics, Podgorica, Montenegro

Vladimir Kaščela, University of Montenegro, Faculty of Economics, Podgorica, Montenegro

IT TECHNOLOGY APPLICATION TO ACCOUNTING IN MONTENEGRIN COMPANIES-ANALYSIS BY THE CLASSIFICATION DECISION TREE METHOD

Filip Hrůza, The Office of the Government of the Czech Republic, Malá Strana, Czech Republic

Stanislav Volčík, The Office of the Government of the Czech Republic, Malá Strana, Czech Republic

MACRO-EVALUATIONS CONTRIBUTION TO GREATER ACCOUNTABILITY OF POLICY IMPACTS ASSESSMENTS IN EUROPE (EU MEMBER STATES ADMINISTRATIONS OVERVIEW AND PRACTICE)

Ana Marija Sikirić, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia

PUBLIC CHILDCARE SERVICES AS AN INSTRUMENT OF GENDER SENSITIVE BUDGETING IN THE REPUBLIC OF CROATIA

Ognjen Erić, Krajina petrol J.S.C., Banja Luka, Bosnia and Herzegovina

Goran Popović, University of Banja Luka, Faculty of Economics, Banja Luka, Bosnia and Herzegovina

Stanko Stanić, University of Banja Luka, Faculty of Economics, Banja Luka, Bosnia and Herzegovina

IMPACT OF QUALITY OF INSTITUTIONS AND TRADE OPENNESS ON ECONOMIC GROWTH IN WESTERN BALKANS COUNTRIES

Miloš Milosavljević, University of Belgrade, Faculty of Organizational Sciences, Belgrade, Serbia

Milica Jovanović, University of Belgrade, Faculty of Organizational Sciences, Belgrade, Serbia

Predrag Jovanović, University of Belgrade, Faculty of Organizational Sciences, Belgrade, Serbia

THE EFFECTS OF PUBLIC PROCUREMENT AWARD CRITERIA SELECTION ON INNOVATIVENESS AND SUSTAINABILITY AMONG EUROPEAN COUNTRIES

Majid Sameti, University of Isfahan, Economic Department, Isfahan, Iran

Farzad Mirmahboub

MOVEMENT FROM E-GOVERNMENT TO SMART GOVERNMENT

Boris Vujčić, Croatian National Bank, Zagreb, Croatia

Sanja Gongeta, College of Applied Sciences Lavoslav Ružička, Vukovar, Croatia

DIGITAL REVOLUTION AND BUSINESS REGULATION

CLOSING SESSION
Findings, ideas and suggestions

Tuesday, June 4th 2019, 12.45 -13.15 Grand Hall of Hotel Ambassador

Reports by sessions.

Closing remarks and statement:

Saša Drezgić, University of Rijeka, Faculty of Economics and Business, Rijeka, Croatia