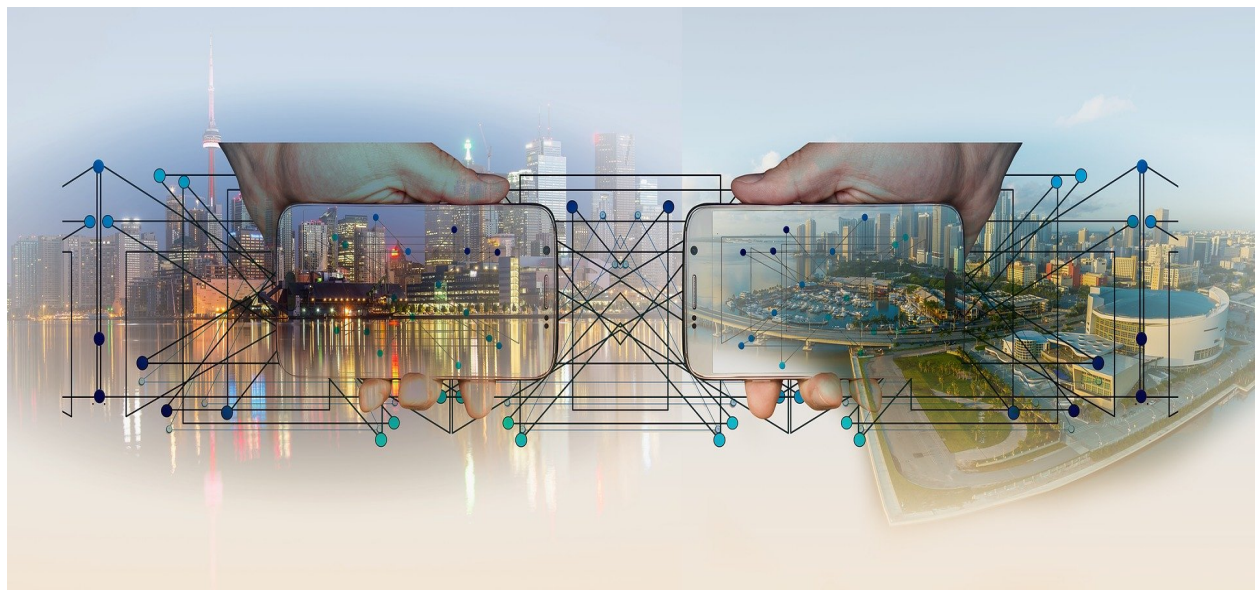


Conference Program

Virtual Conference

June 24 – 25, 2021

***Virtual Conference Theme:
Management & Information Technology***



WELCOME

Welcome to the 2nd annual **IACIS Europe Conference**. This year the conference will be hosted fully online and synchronously due to the COVID-19 pandemic world-wide.

This year, as last year, the 2021 IACIS Europe Conference is organized by the Management Institute, Warsaw University of Life Sciences (SGGW). We thank the team at the Management Institute for helping us make this conference possible.

This year's theme, *Management and Information Technology* was embraced by this year's authors. Full papers, panels, and presentations range in topics from applications of management and applications of information technology for business, teaching, program development, information systems, healthcare, and other technology-related fields.

In addition, all submissions undergo a double blind-peer review and are published in the conference proceedings online at IACIS.org.

The IACIS board members would like to take this opportunity to thank you for contributing to the **2021 IACIS Europe Conference**, and for your continued support.

We look forward to lively and meaningful presentations, discussions, and collegial networking.

Participation in IACIS provides an added benefit. All submissions undergo a double blind-peer reviewed process and are selected for presentation at the IACIS conference. In addition, high-ranking research and pedagogy full papers are published in *Issues in Information Systems (IIS)*.

IIS is a double-blind refereed, serial journal publication of IACIS that is registered with the U.S. Library of Congress (ISSN 1529-7314) and listed in the Eighth Edition of Cabell's Directory of Publishing Opportunities in Management and Marketing.

Papers selected for publication in *Issues in Information Systems (IIS)*, as well as accepted abstracts and panels published in the Conference Proceedings, can be accessed at IACIS.org.

IACIS EXECUTIVE BOARD MEMBERS

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Jeretta Horn Nord

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& 2021 IACIS Europe Conference Chair**

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Secretary & IIS Editor

Kevin Floyd

VIRTUAL PRESENTATION SESSIONS

TIME ZONE OF PRESENTATIONS & EVENTS

All presentations in the Conference Schedule below are scheduled in **Eastern Daylight Time (EDT)**. This is the time zone for New York, USA.

Please see the next page of the program.

Time conversion tools are provided to help you determine your presentation time in your time zone.

PRESENTATION DURATION

Each 1-hour session will host 3 presentations. Each presentation will have **20 minutes for the presentation & questions**.

Panels are allotted 1 hour for the session.

There will be **10 minutes for the transition between sessions**.

Session Chairs are designated for each session to help keep the time for each presentation.

If the Session Chair is not present a few minutes before the presentation starts, present presenters may volunteer to serve as the Session Chair.

IMPORTANT:

- If you are a presenter, please present in the order listed in the schedule below.

Attendees will go in and out of the online rooms based on the presentations they want to see. They will expect to see the presentations in the order of the schedule below.

- To facilitate the online presentation process, we ask that all presenters be online and in the online room of their presentation at least 5 minutes before each session.

WORLD & U.S. TIME ZONES

All presentations in the Conference Schedule below are scheduled according to **Eastern Daylight Time (EDT)**, which is the time for **New York, USA**.

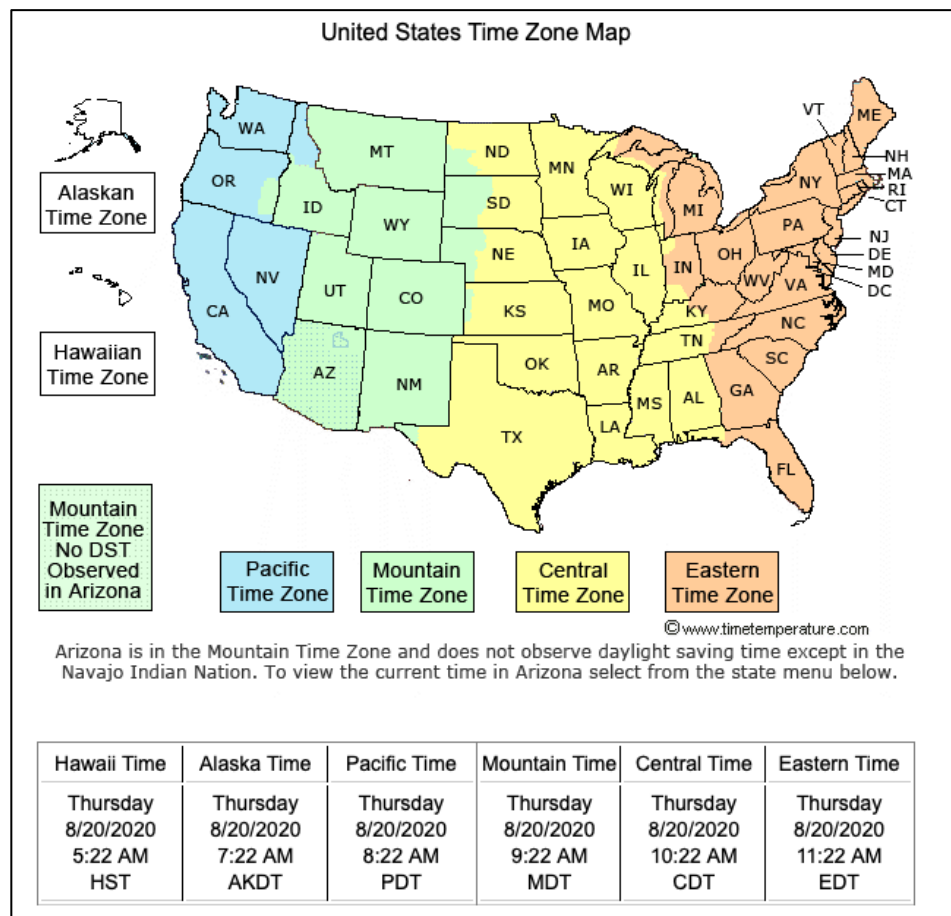
Below are 2 resources to help us identify the time of each presentation session by time zone:

World Time Zone Interactive Map

Click on the link below to view an interactive map where we can click and see the current time for any place in the world.

<https://www.timeanddate.com/time/map>

U.S. Time Zone Map



Source: TimeTemperature.com (n.d.).

https://www.timetemperature.com/tzus/time_zone.shtml

PROGRAM OVERVIEW

All presentations in the Conference Schedule below are scheduled according to **Eastern Daylight Time (EDT)**.

The conference website will be made available a few days before the conference with the links to each online presentation room.

Thursday, June 24, 2021

8:00 – 9:00 a.m. EDT	Welcome & Keynote Address
9:10 – 10:10 a.m. EDT	Concurrent Presentation Sessions
10:10 – 10:40 a.m. EDT	Break
10:40 a.m. – 11:40 p.m. EDT	Concurrent Presentation Sessions
11:50 – 12:50 p.m. EDT	Concurrent Presentation Sessions

Friday, June 25, 2021

8:00 – 9:00 a.m. EDT	Welcome & Keynote Address
9:10 – 10:10 a.m. EDT	Concurrent Presentation Sessions
10:10 – 10:40 a.m. EDT	Break
10:40 a.m. – 11:40 p.m. EDT	Concurrent Presentation Sessions
11:50 – 12:50 p.m. EDT	Concurrent Presentation Sessions

KEYNOTE SPEAKER

DR. ANGEL L. HUECA

Dr. Angel L. Hueca is a Senior Cybersecurity Operations Researcher in the CERT Division of the Software Engineering Institute at Carnegie Mellon University, a Federally Funded Research and Development Center (FFRDC).

He has over 20 years experience in IT and cybersecurity as a federal contractor in the private sector, as well as at the Consumer Financial Protection Bureau (CFPB), Internal Revenue Service (IRS), Pension Benefits Guarantee Corporation (PBGC), and Independent Community Bankers of America.



In his current position, he serves as project lead for international cybersecurity initiatives conducting cybersecurity analysis and providing support for areas such as East Asia Pacific and Eastern Europe. He is also member of the Cybersecurity and Computer Security Incident Response Teams (CSIRTs), working on international cybersecurity program management, capacity building, and policy and process development.

His current role also includes serving as an analyst for the Cybersecurity Information Sharing and Collaboration Program (CISCP) and Cyber-attack Automated Unconventional Sensor Environment (CAUSE), as well as developing cloud security best practices.

His areas of research include SecOps, Cloud Security, Insider Threat, and Cyber Capacity Building.

KEYNOTE SPEAKER

DR. JOSE L. GUERRERO COSUMANO

Dr. Guerrero-Cusumano is a Tenured Associate Professor at Georgetown University. He is a faculty member of the Operations and Information Management (OPIM) group at Georgetown Business School.

He has been faculty at Georgetown since 1989. He holds a Ph.D. in Industrial Engineering and a Master of Sciences in Statistics degree from the Mathematics Department of the University of Illinois. He is also an Economics Statistician from Rosario University's School of Economics Science in Argentina. In 2008, he was awarded an Honorary Doctorate, Doctor Honoris Causa in Administration by Ovidius University (Romania).



In 2008, he was elected a Fellow at the Judge Business School at Cambridge University in Great Britain. He was also an Executive Editor of the *Globalization, Competitiveness and Governability* journal published by Georgetown U-Universia, Spain.

Professor Guerrero Cusumano was a former academic director of the Corporate International Master of International Business at the Georgetown University School of Business. He was former Director of the International Institute on Government, Management, and Policy at Georgetown U. He serves as the business programs academic director for the Georgetown Center of International Education and Development.

His research areas include Information Management, International Business, Business Intelligence, Big and Small Data, Data Mining, Text Mining, International Business, Social Responsibility, Quality of Service, Business Forecasting, Six Sigma and Quality Improvement. He speaks seven languages fluently (Dutch, English, French, German, Italian, Portuguese, and Spanish).

He has been awarded numerous international prizes on research and teaching including the *2021 Distinguished Professor Award* awarded by the Industrial Engineering and Operations Management (IEOM) Society International.

Best Paper Award

An award for the best paper is awarded at the annual *IACIS Europe* conference. Based on the results of the double-blind, peer reviews, the paper is selected from those submitted for presentation at the conference. There is no nomination for this award and all papers accepted for presentation at the conference are candidates.

With this award, *IACIS Europe* recognizes individuals who have made significant contributions to Information Systems and related fields through their scholarship.

We congratulate the recipients of the 2021 *IACIS Europe* Best Paper award below.



CONVERGENCE AND DIVERGENCE OF REGULATORY COMPLIANCE AND CYBERSECURITY

by

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Stuart Madnick
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VIRTUAL CONFERENCE SCHEDULE

THURSDAY, JUNE 24, 2021

8:00 – 9:00 a.m. EDT **Welcome**

Keynote Address by Dr. Angel L. Hueca

Online Room:
Redstone

Thursday, June 24, 2021, 9:10 – 10:10 a.m. (Eastern Daylight Time)

Online Room: Deer Park
Session Chair: Loreen Powell

AWARENESS OF MOBILE DEVICE SECURITY AND DATA PRIVACY TOOLS

Loreen M. Powell

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Jessica Swartz

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Michalina Hendon

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USING SENTIMENT ANALYSIS TO MEASURE EMOTIONAL TOXICITY OF SOCIAL MEDIA DATA DURING THE COVID PANDEMIC

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Cori J. Myers

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Online Room: Pike's Peak
Session Chair: Markus A. Launer

DIGITAL COMPETENCES AS KEY FACTORS IN THE DEVELOPMENT OF THE INDUSTRY 4.0 CONCEPT

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TAKING CARE OF DIGITAL INITIATIVES: MANAGERS APPROACHING INDUSTRIAL DIGITALIZATION

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**COVID-19 PANDEMIC, CHALLENGES
OF DIGITAL TEACHING SKILLS: A CASE
STUDY OF ACADEMICIANS IN KOSOVO**

Argjenta Plakolli

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**RESEARCHING DIGITAL TRUST AT THE
WORKPLACE: A LITERATURE REVIEW**

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Dierk Ohler

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Online Room: Warm Springs
Session Chair: Mihai Liviu Gherman

Online Room: Redstone

**EFFECT OF COMPETENCIES,
KNOWLEDGE-ORIENTED LEADERSHIP,
AND INNOVATION ON ORGANIZATIONAL
PERFORMANCE**

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**THE INFLUENCE OF SOFTWARE
EMERGING TECHNOLOGIES
ON ORGANIZATIONAL SYSTEMS:
AN EXAMPLE FROM PHARMA INDUSTRY**

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**GENDER AND EQUITY
CROWDFUNDING: THE EFFECTS
OF PRIOR FUNDING SOURCES**

JoAnne Yong-Kwan Lim
Singapore University of Social Sciences
joannelimy@suss.edu.sg

10:10 a.m. – 10:40 a.m. EDT

Break

Thursday, June 24, 2021, 10:40 – 11:40 a.m. (Eastern Daylight Time)

Room: Deer Park

Session Chair: Adam Karafinski

**AWARENESS OF BLOCKCHAIN USAGE,
STRUCTURE, & GENERATION OF
PLATFORM'S ENERGY CONSUMPTION:
WORKING TOWARDS A GREENER BLOCKCHAIN**

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Hayden Wimmer
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**AWARENESS OF VOLUNTEER COMPUTING
ON THE GRID: CONTENT WITHIN IT TEXTS**

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Adam Karafinski
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Room: Pike's Peak

Session Chair: Angel M. Ojeda

**THE USEFULNESS OF APIs FOR NEW BUSINESS
CREATION & ENTERPRISE INNOVATION**

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Juan Valera
Ana G. Méndez University
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**AN OPPORTUNITY TO BREAK A BARRIER
OF INFORMATION GAP WITHIN SCIENCE-
BUSINESS COLLABORATION IN POLAND**

Michał Borowy
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**CONSUMER SATISFACTION WITH
AESTHETIC MEDICINE SERVICES BASED
ON INNOVATIVE TECHNOLOGIES**

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Anna Kuczyńska
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Bogdan Sojkin

**COMPARING INTUITIVE THINKING STYLES
IN IT AND ENERGY INDUSTRIES****Fatih Çetin**

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Room: Warm Springs
Session Chair: Amy Kay

Online Room: Redstone

**CONVERGENCE & DIVERGENCE
OF REGULATORY COMPLIANCE
& CYBERSECURITY****Angelica Marotta**

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Stuart Madnick

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to network with each other.

**RESEARCH FRAMEWORK OF HUMAN
FACTORS INTERACTIONS WITH
TECHNICAL AND SECURITY FACTORS
IN CLOUD COMPUTING****Hongjiang Xu**

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Sakthi Mahenthiran

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**HOW FINANCIAL INSTITUTIONS
ADDRESS CYBERSECURITY THREATS:
A CRITICAL ANALYSIS****Amy Kay**

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Thursday, June 24, 2021, 11:50 – 12:50 p.m. (Eastern Daylight Time)

Room: Deer Park
Session Chair: Jay Liebowitz

**BI/ANALYTICS STRATEGY CONCEPTUAL
FRAMEWORK: DEVELOPING
AN ENTERPRISE-WIDE
BI/ANALYTICS STRATEGY**

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**FACTORS INFLUENCING BIG DATA
ANALYTICS CAPABILITIES OF SMALL
AND MEDIUM-SIZED ENTERPRISES:
A QUALITATIVE STUDY FROM GERMANY**

Judith Helmer
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Marek Szarucki
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**THE ADOPTION OF TECHNOLOGIES
IN EUROSTAT MEMBERS: HOW AN
ORGANIZATIONAL NETWORK DEALS
WITH THE BIG DATA CHALLENGE**

Fabio Cardoso
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Room: Pike's Peak
Session Chair: Delvin Grant

**BOEING 737 MAX: A CASE STUDY
OF FAILURE IN A SUPPLY CHAIN USING
SYSTEM OF SYSTEMS FRAMEWORK**

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**ENTERPRISE INTEGRATION USING
SERVICE-ORIENTED ARCHITECTURE**

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	<p>IMPLEMENTATION OF DEVOPS PARADIGM TO DEPLOYMENT & PROVISIONING OF MICROSERVICES</p> <p>Abhijit Sen Kwantlen Polytechnic University abhijit.sen@kpu.ca</p> <p>Ivan Skrobot British Columbia Institute of Technology ivanscrobot@gmail.com</p>
<p>Room: Warm Springs Session Chair: Qiunan Zhang</p>	<p>Online Room: Redstone</p>
<p>TOWARD AN UNDERSTANDING OF COMPUTING FACULTY INTERNATIONALIZATION PERCEPTIONS</p> <p>John Girard Middle Georgia State University john.girard@mga.edu</p> <p>Laura Thomason Middle Georgia State University laura.thomason@mga.edu</p> <p>Chris Tsavatewa Middle Georgia State University chris.tsavatewa@mga.edu</p> <p>UNDERSTANDING SWITCHING BEHAVIOR OF MOBILE PAYMENT ENABLED TRANSPORTATION APPS: A PUSH-PULL-MOORING PERSPECTIVE</p> <p>Qiunan Zhang University of Memphis qzhang4@memphis.edu</p> <p>Colin G. Onita San Jose State University colin.onita@sjsu.edu</p> <p>M. Shane Banks University of North Alabama mbanks@una.edu</p> <p>Xihui Zhang University of North Alabama xzhang6@una.edu</p>	 <p>Networking available all day. Join us here any time today to network with each other.</p>

**GLOBAL PHENOMENON OF THREATS
& RISK MANAGEMENT IN MANAGEMENT
& INFORMATION TECHNOLOGIES**

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FRIDAY, JUNE 25, 2021

8:00 – 9:00 a.m. EDT Keynote Address
Dr. Jose L. Guerrero Cosumano

Online Room:
Redstone

Friday, June 25, 2021, 9:10 – 10:10 a.m. (Eastern Daylight Time)

Online Room: Deer Park
Session Chair: Ewa Ziemia

Online Room: Pike's Peak
Session Chair: Markus A. Launer

**SOCIAL MEDIA USE FOR REMOTE
LEARNING DURING COVID-19**

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**EMPLOYEE WELLBEING & DIGITAL WORK
DURING COVID-19 PANDEMIC FROM THE
PERSPECTIVE OF POLISH EMPLOYEES**

Marta Juchnowicz

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**EXPLORING INTUITIVE DECISION-MAKING
DIFFERENCES IN VARYING INDUSTRIES
FROM A WORLDWIDE SAMPLE**

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**EFFECTS OF THE COVID-19 PANDEMIC
ON ICT USAGE BY ACADEMICS**

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Monika Eisenhardt

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**INTUITIVE DECISION-MAKING STYLES
OF DIFFERENT LEVELS OF MANAGEMENT
POSITIONS IN A DIVERSIFIED SAMPLE**

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**THE ICT INFLUENCE ON STRATEGIC THINKING:
PARTICULARITIES IN THE OIL & GAS INDUSTRY**

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Online Room: Warm Springs
Session Chair: Tobias Lutz

Online Room: Redstone

**THE EFFECTS OF USING MOBILE
& SMART DEVICES AT WORK**

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**CONTRACTOR VIEW ON PROJECT
COST OVERRUNS****Tobias Lutz**

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**REVENUE SHARING MODELS
IN STRATEGIC ALLIANCES****Antti Rantala**

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Helena Kortelainen

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10:10 – 10:40 a.m. EDT

Break

Friday, June 25, 2021, 10:40 – 11:40 a.m. (Eastern Daylight Time)

Room: Deer Park

Session Chair: Josu Takala

**A ROADMAP FOR SUCCESSFUL IOT
IMPLEMENTATION: EMPIRICAL EVIDENCE
FROM THE ENERGY INDUSTRY****Shahid Hafeez**

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Josu Takala

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Room: Pike's Peak

Session Chair: Piotr Pietrzak

**A NEW INTUITION MODEL IN THE WORKPLACE:
TESTING PSYCHOMETRICS OF AN INSTRUMENT
ON A MULTICULTURAL SAMPLE****Markus A. Launer**

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**COMPETENCE FRAMEWORKS
PROTOTYPING FOR PROJECT
TEAM MEMBERS**

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**SOCIAL RESPONSIBILITY AS
AN ELEMENT OF SUSTAINABLE
DEVELOPMENT: ON THE EXAMPLE
OF THE SMALL & MEDIUM-SIZED
ENTERPRISE SECTOR**

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**DIFFERENT TYPES OF INTUITION AT THE
WORKPLACE: A LITERATURE REVIEW**

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Room: Warm Springs

Session Chair: Anna Jasiulewicz

Online Room: Redstone

**CULTURAL TRANSFORMATION IN THE
DIGITAL WORLD: A LITERATURE REVIEW**

Piotr Pietrzak

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**ANTECEDENTS OF DIGITAL TRUST
IN THE CONTEXT OF ONLINE
SHOPPING INTENTION**

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to network with each other.

**ANALOGUE DOCUMENTS METADATA
EXTRACTION MODEL BUILDING:
A MACHINE LEARNING APPROACH**

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Marek Szarucki

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Friday, June 25, 2021, 11:50 – 12:50 p.m. (Eastern Daylight Time)

Room: Deer Park

Session Chair: Agnieszka Bitkowska

**PROCESS AND PROJECT APPROACH
IN CONTEMPORARY ORGANIZATIONS**

Agnieszka Bitkowska

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Krzysztof Kolterman

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**A HOLISTIC APPROACH TO E-HRM:
AN ATTEMPT TO CATEGORIZE THE
BASIC ELEMENTS AND RELATIONSHIPS**

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**ANALYSIS OF CRISIS-RESISTANT
TOURISTS THROUGH THE LENS
OF HOTEL REVIEWS ON TRIPADVISOR**

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**SOCIAL MEDIA & TRUST IN DIFFERENT AREAS
OF LIFE: A SYSTEMATIC LITERATURE REVIEW**

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**DOES WEB CAMERA USAGE IN SYNCHRONOUS
LESSONS AFFECT ACADEMIC EMOTIONS?**

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**THE BASIC & EXTENDED CONSTRUCTS OF
DIGITAL TRUST MODEL AT THE WORKPLACE**

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