Program  
(GMT Time)  

The 6th International Conference on Digital Economy  
Emerging Technologies and Business Innovation  
July 15 - 17, 2021 - Tallinn, Estonia (Online Conference)  

<table>
<thead>
<tr>
<th>Competitive sessions</th>
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<tbody>
<tr>
<td>Opening</td>
<td>5min</td>
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<tr>
<td>Paper Presentation</td>
<td>15 min</td>
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<tr>
<td>Paper Discussion</td>
<td>10 min (for each paper)</td>
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<td>Closing</td>
<td>5min</td>
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**Guest talks (Professionals)**  
Opening 5min  
Keynote talk 15min  
Discussion 10 min (for each talk)  
Closing 5min  

**Keynote talks:**  
Opening 5min  
Keynote talk 20min  
Discussion 20 min  
Closing 5min  

**Roundtable Session (1 Hour 50 min)**  
To be agreed with the organizers
Thursday, July 15

8h15 GMT: Welcoming session

8h30 GMT – 9h30 GMT: Opening session (Gunnar Piho, Rim Jallouli, Mohamed Anis Bach Tobji, Leith Campbell)

9h30 GMT - 10h30: Guest Speeches: The Estonian model of e-residency
Session Chair: VasileAlecsandruStrat, Dean of Bucharest Business School (to be confirmed)
Guest speakers:
WissemOueslati, E-commerce Consultant and Expert E-Estonia, Book Author 'How to become E-resident in Estonia and open your European company remotely'
Title: How Estonia creates E-country?

IvarVeskioja, Estonian Service Industry Association
Title: Creating seamless online experiences to SMEs

Discussion

Break 10min

10h40 – 12h05: Comp. Session 1: Digital Strategies (Dr.Leith Campbell, RMIT University, Australia”)
12. Latifa Ghalayini and Dana Deeb. Development of an Intelligent Win-Win Negotiation Model

Break 10min

12h15- 13h15: Comp. Session 7: Virtual Communities
Session Chair : Dr. Jean-François Berthevas, Orleans University School of Management
7. Zeineb Ayachi and Rim Jallouli. Virtual Communities and Wellbeing: A systematic Literature Review and Recommendations for Future Research

Break 10min

13h25 – 14h15: Keynote Speech session:
Session Chair: Dr. Sadok ben Yhahia, Tallinn Univ of Technology
Keynote Speech Dr. Hamid Mcheick, Université du Québec à Chicoutimi
Title: “Internet of Thing IoT healthcare system to reduce economic burden”
Discussion
**Friday, July 16**

8h45- 9h: Welcoming session

9h– 10h:

**Comp. Session 3 :Digital Assets and Blockchain Technology**

Session chair: Codruta Mare, Babes-Bolyai University, Romania, and Daniele Marazzina, Politecnico di Milano, Italy.

15. Ennajeh Leila. **Blockchain Technology : Diffusion of Innovation perspective (Tunisian Context exploration)**

2. Thabo Gopane. **An Assessment of Inter Market Volatility and Spillover Dynamics of Bitcoin as a Digital Asset**

**Break 10min**

10h10- 12h

**Comp. Session 4: Artificial intelligence and data science**

Chair: Dr. Gunnar Piho, Tallin University of Technology


8. Janek Metsallik and Peeter Ross. **Testing the applicability of digital decision support on a nationwide EHR**

4. Malek Chebil, Rim Jallouli, Mohamed Anis Bach Tobji and Chiheb-Eddine Ben N'Cir. **Topic modeling of marketing scientific papers: An experimental survey**

11. Stefana Cioban. **Cross-domain sentiment analysis of the natural Romanian language**

**Break 10min**

12h10 – 14h00 **Roundtable session: Mental Manipulations and Neurotechnology: redefining neuro- and cognitive security**

Chair: Dr. Anton Nijholt, University of Twente, Netherlands

Dr. Aleksander Valjamae, University of Tartu, Estonia

**Presenters:**

- Dr. Anne-Marie Brouwer, TNO Human Factors & Anke Snoek, Maastricht University

  *Title:* Physiological Synchrony for implicitly monitoring attentional engagement in a group

- Dr. John Danaher, The National University of Ireland Galway

  *Title:* Algorithmic Governance

- Dr. Christoph Guger, g.tec medical engineering GmbH

  *Title:* Extracting hidden information from the brain

- Dr. Hugo Silva, IST - Instituto Superior Técnico / IT - Instituto de Telecomunicações

  *Title:* New Technologies for Hyperscanning Beyond the Lab

- Dr. Laura Smillie, Policy Analyst, DG JRC, European Commission

  *Title:* Enlightenment 2.0: Technology and Democracy

**Break 10min**
14h10– 15h00: Keynote Talk

Session Chair: Dr. Mohamed Anis Bach Tobji
Keynote Speech: Lobnakaroui, Executive Digital Transformation Director at Fortune 500 - President of AI Exponential Thinker -Forbes &amp; MIT Contributor – Speaker – AI Trustee Advisor for VC, public sector (USA)
Title: Resilience in Times of Accelerated Digital Transformations

Saturday, July 17

8h15- 8h30: Welcoming session

8h30 – 9h30: Comp. Session 5: Online education
Session Chair: Prof. Serge Miranda Université de Nice Sophia Antipolis, France
17. Yvonne El Feghaly, Raymond Bou Nader, and Nizar Hariri. Online Education in Lebanon during the Covid-19 Crisis: An Ongoing Coping Phase

Break 10 min

9h40 – 10h40: Comp. Session 2: Digital Transformation (Session chair: Dr. Afef Herelli, University of Manouba, Tunisia)
13. Marcela da SilveiraLeme and João F. Proença. The Interplay between Servitization and Digitalization: a bibliometric analysis

Break 10 min

10h50 – 12h15: Comp. Session 6: Augmented reality and IOT
Chair: Dr. Ismehene Chahbi, University of Manouba, Tunisia
1. Anton Nijholt. Augmented Reality Humans: Towards Multi sensorial Awareness
18. Kristian Dokic, DomagojSulc and DubravkaMandusic. Collecting big data in cinemas to improve recommendation systems - a model with three types of motion sensors
10. EshaEsha and Osmar-Zaïane. Pairing Tweets with the Right Location

Break 15 min

12h30– 13h30: Closing session

Closing words: General chair Dr. Gunnar Piho Tallinn Univ of Technology
Best Papers and Best reviewers Awards: Program Chair Dr. Hamid Mcheick, Université du Québec à Chicoutimi
Announcement of ICDEc2022, Steering Committee and Host Organization ICDEc 2022 (Mohamed Anis Bach Tobji and VasileAlecsandruStrat, Dean of Bucharest Business School)
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