



Report ECIS 2021

European Conference on Information Systems

Marrakech, Morocco (Virtual Conference)

June 14–16



European Conference on Information Systems
Human Values Crisis in a Digitizing World



ECIS 2021 Program & Platforms

- **ECIS2021 online included:**

- Junior Faculty Consortium (**organized independently by the JFC co-chairs**)
- Doctoral Consortium (**organized independently by the DC co-chairs**)
- 1 Keynote
- 4 Panels
- 213 Live paper presentations
- 200 Discussant Commentaries
- 58 Track sessions
- 27 Session Chairs
- Awards ceremony
- Evaluation Session

- **ECIS2021 online did not include :**

- Workshops (some workshops will be run on their own before ECIS)
- Social event
- CIO forum



Conference App
Session Catalog

- *Zoom : paper sessions, Author, Q&A*
- *Zoom Webinar : panels, keynote, Awards*

- *Paper proceedings*
- *Author video present*
- *Article discussion threads*



ECIS
2021
Marrakech

European Conference on Information Systems
Human Values Crisis in a Digitizing World



Welcome to ECIS 2021

The ECIS 2021 event hub allows you to connect with fellow attendees, build your personal schedule and more! Use this desktop portal to manage your schedule and request meetings in advance of the conference. The event hub is also accessible as a conference app on iPhones, Android and any web-enabled device.

Download the Mobile App



Login to your Account

Your Username
MattECIS

Your Password

☐ Remember Me

[Forgot my Password](#)

Login

Login Home Join AIS JAIS CAIS TRR THCI MISQE



European Conference on Information Systems

Human Values Crisis in a Digitizing World

ECIS 2021 RESEARCH-IN-PROGRESS PAPERS

QUANTIFYING THE IMPACT OF LOCATION DATA FOR REAL ESTATE APPRAISAL – A GIS-BASED DEEP LEARNING APPROACH

Download

Jan-Peter Kucklick, Paderborn University
Jennifer Müller, Paderborn University
Daniel Beverungen, Paderborn University
Oliver Mueller, Paderborn University

Follow
Follow
Follow
Follow

PLUMX METRICS

SHARE



Search

Enter search terms:
In this series

Advanced Search

Notify me via email or RSS

Links

Join AIS

ECIS 2021 Research-in-Progress Papers Website

Browse

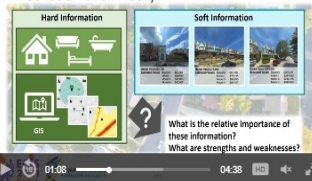
All Content

Authors

Author Corner

eLibrary FAQ

Motivation and Theory



Paper Number
1378

Search...



Redouane El Amrani

Digital Transformation of the Public Sector-2

Wednesday, Jun 16, 2021 at 12:00 PM - 12:50 PM CEST

Session Description

Automation As Migration?-Identifying Factors Influencing Adoption Of RPA In Local Government

Fredrik Söderström, Department of Management and Engineering
Björn Johansson, Information Systems and Digitalization
Daniel Toll, Linköping university

Social Welfare Through Blockchain-Based E-Voting

Sven Willrich, FZI Forschungszentrum Informatik
Tim Straub, FZI Forschungszentrum Informatik
Wolfgang Badewitz, FZI Research Center for Information Technology

IT ambidexterity and patient agility: the mediating role of digital dynamic capability

Rogier Van de Wetering, Open University

Mapping negative unintended consequences of disruptive technologies use in smart cities

Wednesday, Jun 16, 2021

12:00 PM - 12:50 PM CEST

Digital Transformation of the Public Sector

Launch Session



Abstract

Appraising real estate is challenging since a property's characteristics, location, and neighborhood make up for substantial shares of its price. Current Computer-Assisted Mass Appraisal (CAMA) approaches rely on hedonic models and structured real estate data. Recent work proposed to include geospatial or image data to improve CAMA's predictive accuracy. However, the value of these data sources and their preparation costs remain unclear. In this study, we use Geographic Information Systems (GIS) and Convolutional Neural Networks (CNNs) to appraise 71,000 properties in Philadelphia. We find that geospatial data requires substantial preprocessing but increases CAMA's predictive accuracy by 12%, while image data come with higher computational complexity and an improvement of 16%. Using both datatypes is complex to optimize but offers increased robustness towards extreme outliers. Beyond real estate appraisal, our study is one of the first to quantify the value of geospatial data for data-driven services in the information systems discipline.

Recommended Citation

Kucklick, Jan-Peter; Müller, Jennifer; Beverungen, Daniel; and Mueller, Oliver, "QUANTIFYING THE IMPACT OF LOCATION DATA FOR REAL ESTATE APPRAISAL – A GIS-BASED DEEP LEARNING APPROACH" (2021). *ECIS 2021 Research-in-Progress Papers*. 23. https://aisel.aisnet.org/ecis2021_rip/23

When commenting on articles, please be friendly, welcoming, respectful and abide by the AIS eLibrary Discussion Thread Code of Conduct posted [here](#).

Comments

Login

There are no comments posted yet. [Be the first one!](#)

Post a new comment

Enter text right here!

Comment as a Guest, or login: [intensedebate](#) [WordPress.com](#)

Name

Displayed next to your comments.

Email

Not displayed publicly.

Website (optional)

If you have a website, link to it here.

Subscribe to [None](#)

Submit Comment



Paper Submissions and Reviewing

Total Number of :	Research Papers	Research in Progress Papers	Total
Submissions	502	181	683
Accepted Papers	156	57	213
Rejected Papers	321	114	435
Desk Rejected	25	9	34
Withdrawn Paper	0	1	1
Reviews	1535	528	2063
Average Number of reviewers per paper	3.06	2.92	3.02
AE Reports	481	173	654
Acceptance Rate	31,08 %	31,49 %	31,19 %



ECIS
2021
Marrakech

European Conference on Information Systems
Human Values Crisis in a Digitizing World



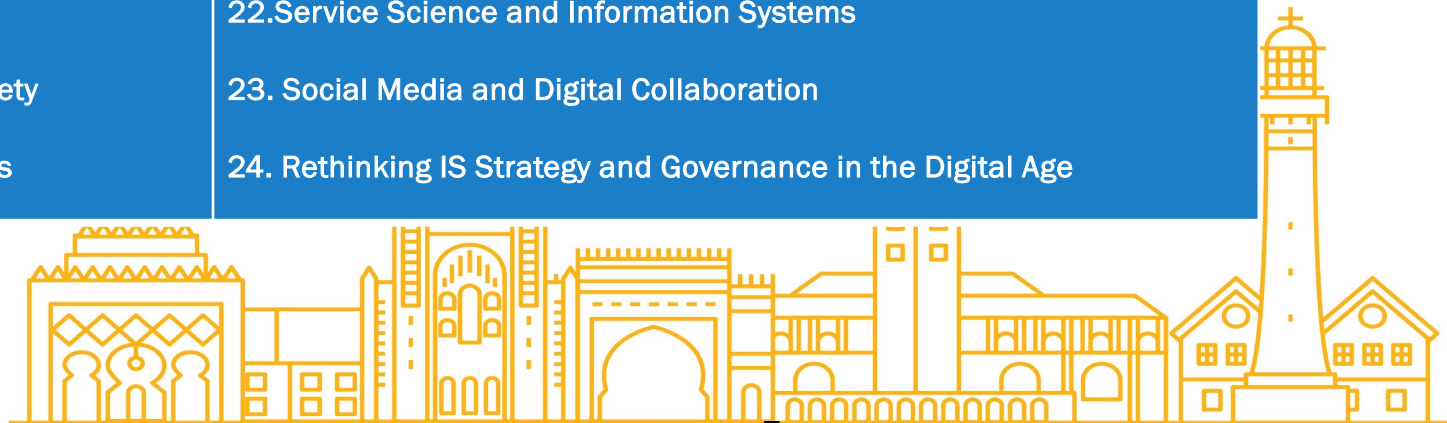
24 Tracks

- | | |
|--|--|
| 1. Theme track: "Human Values Crisis in a Digitizing World" | 13. Digital Transformation of the Public Sector |
| 2. General IS Track | 14. Enterprise Modelling |
| 3. Artificial Intelligence in IS Research and Practice | 15. Social and Ethical Implications of ICT Use |
| 4. Business Analytics and Big Data | 16. Health Information Technology and IS for Healthcare |
| 5. Blockchain and FinTech | 17. IS Innovation, Adoption and Diffusion |
| 6. The Token Economy – Blockchain Applications beyond FinTech | 18. IS Development and Project Management |
| 7. Business Models and Digital Transformation | 19. Knowledge Management and Digitization |
| 8. Business Process Management in the Digital Age | 20. Philosophy, theory, and research methods |
| 9. Cognition and Human Behavior in Information Systems | 21. Openness and IT |
| 10. Data Governance and Data Quality in Ecosystems | 22. Service Science and Information Systems |
| 11. Digitization of Education, Private Industries, and Society | 23. Social Media and Digital Collaboration |
| 12. Design Research and Methods in Information Systems | 24. Rethinking IS Strategy and Governance in the Digital Age |



ECIS
2021
Marrakech

European Conference on Information Systems
Human Values Crisis in a Digitizing World



Submissions per Track

Tracks	N
AI in IS Research and Practice	61
Business Models and Digital Transformation	51
Cognition and Human Behavior in IS	50
IS Innovation, Adoption and Diffusion	46
General Track	42
Social Media & Digital Collaboration	41
Design Research and Methods in IS	38
Business Analytics and Big data	34
Rethinking IS strategy and Governance in the Digital Age	33
Health IT and IS for Healthcare	31
Digitization of education, Private Industries and Society	30
Digital Transformation of the Public Sector	25

Tracks	N
Service Science and IS	25
Conference Theme Track	24
IS Development and Project Management	20
Business Process Management in the Digital Age	20
Social and Ethical Implications of ICT Use	20
Knowledge Management and Digitization	16
The Token Economy – Blockchain Application beyond Fintech	15
Data Governance and Data Quality in Ecosystems	14
Blockchain and Fintech	14
Enterprise Modelling	13
Openness and IT	12
Philosophy, Theory, and Research Methods	8



**ECIS
2021**
Marrakech

European Conference on Information Systems
Human Values Crisis in a Digitizing World





24
Tracks

3028
*Full Article
Downloads from
eLibrary*

674
*Downloaded
Conf. App*

VCS Registrations: **1121**
ECIS21 Registrations: **839**

- Academics : **421**
- Students : **409**
- Professionals : **2**
- Retired : **7**
- MHDl / LHDI Grant : **20**

14744
*Article Abstract
Views*

216
*Article eLibrary
Uploads*

439
*Associate
Editors*

1975
Reviewers

625
*Author-Video
Streaming
Sessions in e-
Library*

Country distribution (56 countries)

Country	Academic	Professional	Student	Grand Total
Australia	15		15	29
Austria	10		8	18
Belgium	1		1	2
Botswana	0		1	1
Brazil	3			3
Côte d'Ivoire	1			1
Cameroon	1		1	2
Canada	22		18	40
China	13		16	30
Colombia	1			1
Denmark	16		4	20
Egypt	0		1	1
England	24		6	30
Ethiopia	0		1	1
Fiji	1			1
Finland	8		6	14
France	6		6	12
Germany	63	2	178	243
Ghana	1		6	7
Greece	2		1	3
Hong Kong	4		1	5
India	6		9	14

Country	Academic	Student	Grand Total
Indonesia		1	1
Ireland	8	2	10
Israel	1		1
Italy	2		2
Japan	3		3
Kenya	2	1	3
Liechtenstein	2	1	3
Luxembourg	1		1
Malaysia	2	2	4
Mali		1	1
Mexico	1		1
Namibia	1		1
Netherlands	10	7	14
New Zealand	8	5	13
Nigeria	4	4	8
Norway	8	6	14
Peru	1		1
Philippines		2	2
Poland	8		8
Portugal	1	10	11
Qatar	2		2

Country	Academic	Professional	Student	Grand Total
Saudi Arabia	1			1
Senegal			1	1
Singapore	3		1	4
Slovenia	1			1
South Africa	9		3	12
Spain	2		1	3
Sweden	12		6	18
Switzerland	4		14	17
Taiwan	5		1	6
United Arab Emirates	1		1	2
United States	126		59	184
Wales			1	1
Grand Total	428	2	409	839



Financial Statement - ECIS 2020

Income (Registration)	0 €
Conference center (Congress Palace Mogador Marrakech)	21 000 €
Hotel Doctoral Consortium (Kasbah Angour)	4 703 €
ECIS 2020 Website	7 200 €
Preparation of the conference	8 798 €
Total Cost (Reimbursed by the AIS)	- 41 701 €

Result : 0 €

ECIS 2020 & The 2020 AIS Virtual Conference Series

Registration free for :

- 50 \$ for Academics – Professional, Retired and Institutional members– Very High Human Development Country
- **Free:**
 - Academics – Low, Medium, High Human Development Country
 - Doctoral Students



European Conference on Information Systems
Human Values Crisis in a Digitizing World



Many thanks to:

- **ECIS 2021 Team:**

- Conference Chairs:
 - Frantz Rowe, Redouane EL Amrani, and Moez Limayem
- Conference Program Chairs:
 - Sabine Matook, Christoph Rosenkranz, Edgar Whitley
- Local Organizing Chair:
 - Ali El Quammah
- Doctoral Consortium Co-Chairs
 - Michel Avital, Ojelanki Ngwenyama
- JFC Chairs:
 - Moonideepa Tarafdar, Dov Teeni,

- **ALS Team:**

- Brian Fitzgerald, ALS President
- Matthew Nelson, ALS Associate Executive Director
- Robina Wahid, Conference Director
- Lise Fitzpatrick, Chief Operating Officer
- Brook Pritchett, Communication Director



European Conference on Information Systems
Human Values Crisis in a Digitizing World



Thank You

Q & A



ECIS
2021
Marrakech

European Conference on Information Systems

Human Values Crisis in a Digitizing World

