





an Open Access Journal by MDPI

## **Technology & Engineering Education**

Guest Editors:

#### Dr. Francisco Zamora-Polo

Department of Mechanical, Energetic and Materials Engineering, School of Industrial Engineering, University of Extremadura, Avda. de Elvas s/n 06006 Badajoz (Spain)

fzamora@unex.es

#### Dr. Jesús Sánchez Martín

Department of Science and Mathematics Education, Faculty of Education, University of Extremadura, Avda. de Elvas s/n 06006 Badajoz (Spain)

jsanmar@unex.es

Deadline for manuscript submissions:

31 July 2019

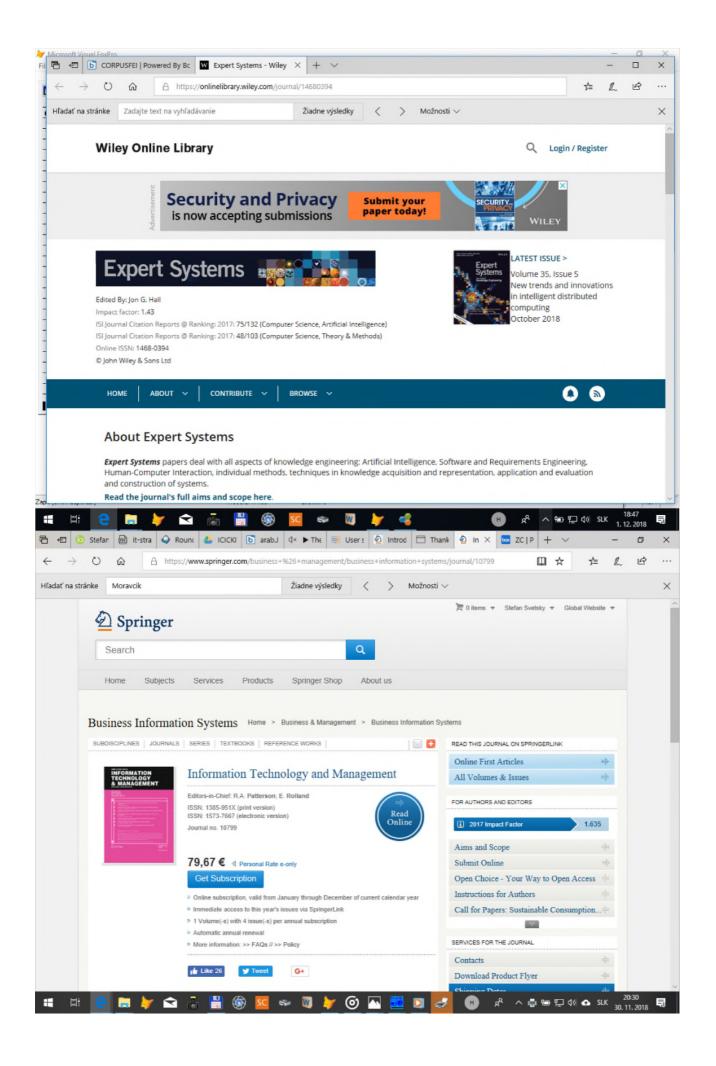
### Message from the Guest Editors

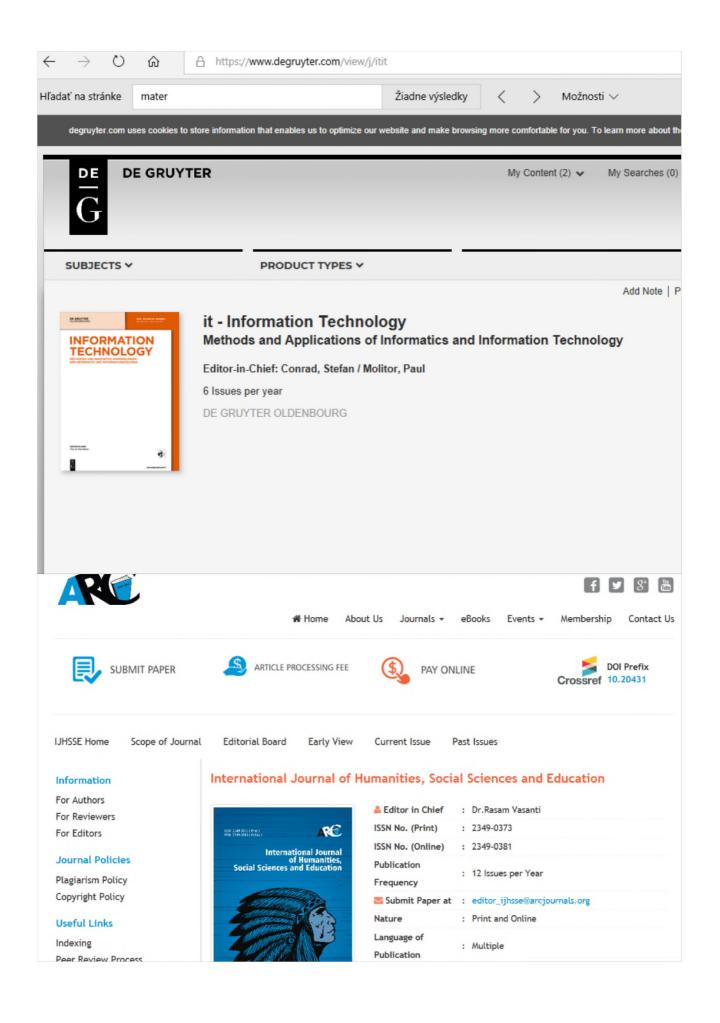
Dear Colleagues,

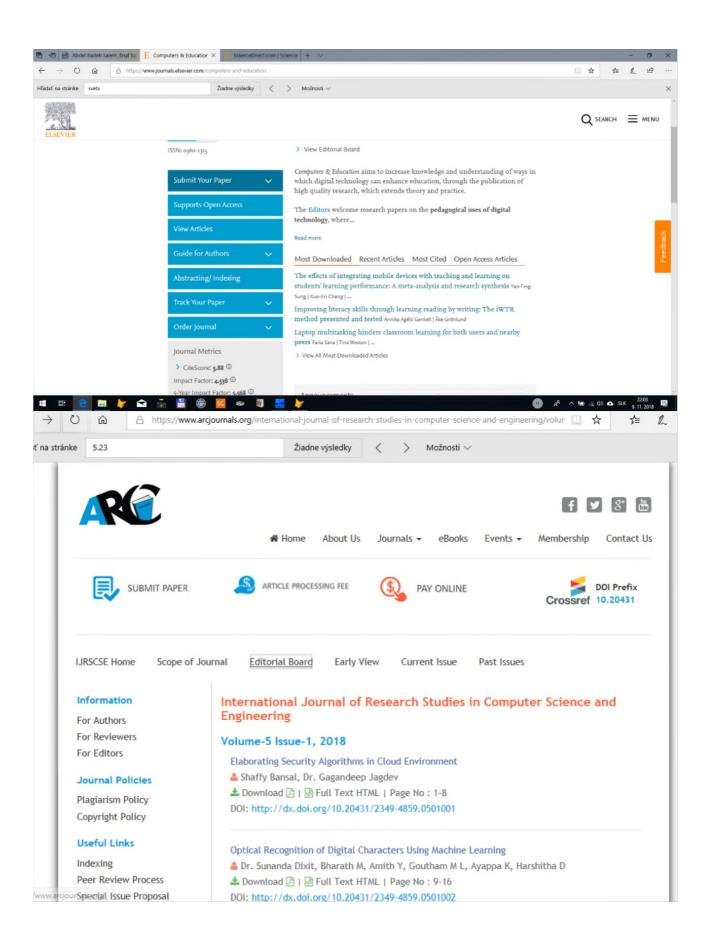
Two of the main challenges facing humanity are the care of the environment and the reduction of growing inequality. After the relative success of the Millennium Development Goals (MDG), the Sustainable Development Goals (SDG) proposed by United Nations constitute an agenda for the period between 2015 and 2030. Without doubt, education was a leverage factor in the achievement of the Millennium Development Goals, and today is a key factor for compliance with the SDGs.

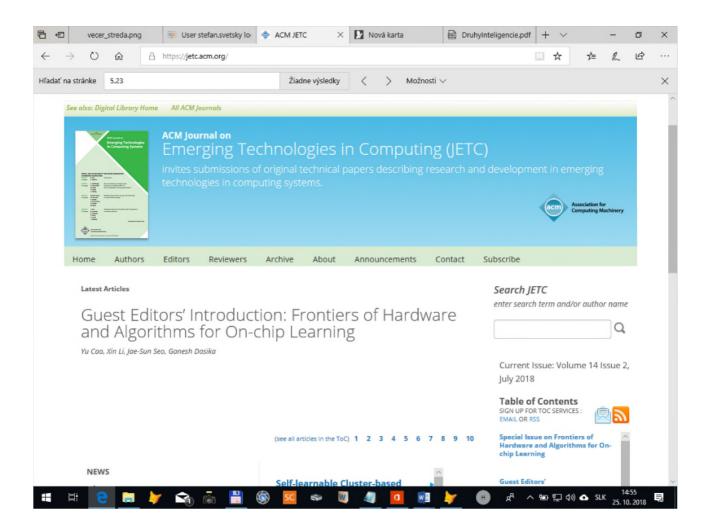
This Special Issue aims to analyze educational experiences in the field of sustainability in engineering and technology education at different educational levels, from primary education to university levels. It is open to formal and informal education initiatives, to the development of courses on sustainability or to the development of competence across the curriculum. Theoretical reflections that address the relationship between engineering and technology education and sustainability are also welcome.

Dr. Francisco Zamora-Polo Dr. Jesús Sánchez Martín Guest Editors











## A Collection of Definitions of Intelligence

## Shane Legg

IDSIA, Galleria 2, Manno-Lugano CH-6928, Switzerland shane@idsia.ch www.idsia.ch/~shane

#### Marcus Hutter

IDSIA, Galleria 2, Manno-Lugano CH-6928, Switzerland RSISE/ANU/NICTA, Canberra, ACT, 0200, Australia marcus@hutter1.net www.hutter1.net

15 June 2007

#### Abstract

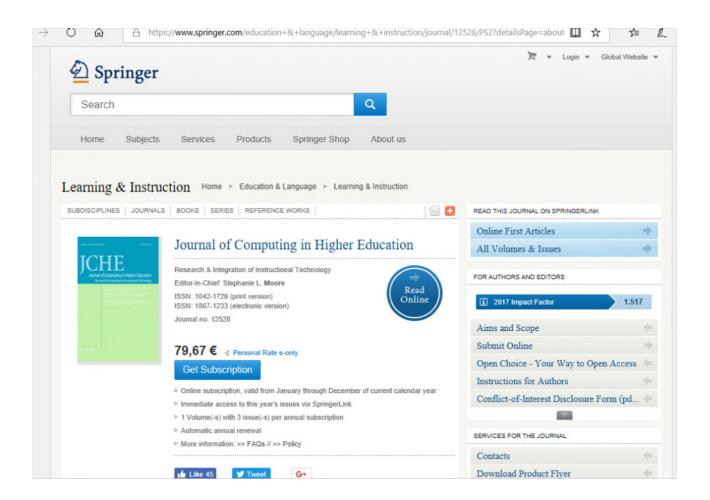
This paper is a survey of a large number of informal definitions of "intelligence" that the authors have collected over the years. Naturally, compiling a complete list would be impossible as many definitions of intelligence are buried deep inside articles and books. Nevertheless, the 70-odd definitions presented here are, to the authors' knowledge, the largest and most well referenced collection there is.

#### Contents

1	Introduction	2
<b>2</b>	Collective definitions	<b>2</b>
<b>3</b>	Psychologist definitions	4
4	AI researcher definitions	7
5	Is a single definition possible?	9
Re	eferences	9

#### Keywords

Intelligence definitions, collective, psychologist, artificial, universal.







www.inderscience.com/jhome.php?jcode=ijlt



IJLT is an international, refereed, scholarly journal providing an interdisciplinary forum for the presentation and discussion of important ideas, concepts, and exemplars that can deeply influence the role of learning technologies in learning and instruction. This unique and dynamic journal focuses on the epistemological thrust of learning vis--vis instruction and the technologies and tools that support the process. IJLT publishes papers related to theoretical foundations, design and implementation, and effectiveness and impact issues related to learning technologies.

About this journal

**Editorial Board** 

Submitting articles



### Topics covered include

- · Communities of learners (practice), computer-mediated communication
- [Social] constructivism, computer-supported collaborative learning
- · Cognitive tools, intelligent agents, semantic web
- Distributed/intelligent learning/tutoring, multimedia/interactive learning environments
- · Virtual reality environments, human-computer interface issues
- · Learning objects for personalised learning, building learning communities
- · Technology-facilitated learning in complex domains
- · Learning technology systems' evaluation, technological standardisation
- Simulation-supported learning/instruction
- Learning technology in education and commerce
- · Disciplinary-related inquiry, e.g., learning technologies for science inquiry
- MOOCs, social media and cloud computing in e-learning
- · Data analytics and big data in education
- E-learning evaluation and content; e-portfolios
- · Smart education; internet of things/technology adoption and diffusion for learning

#### More on this journal...



#### Browse issues



## IJLT is indexed in:

Vol. 13

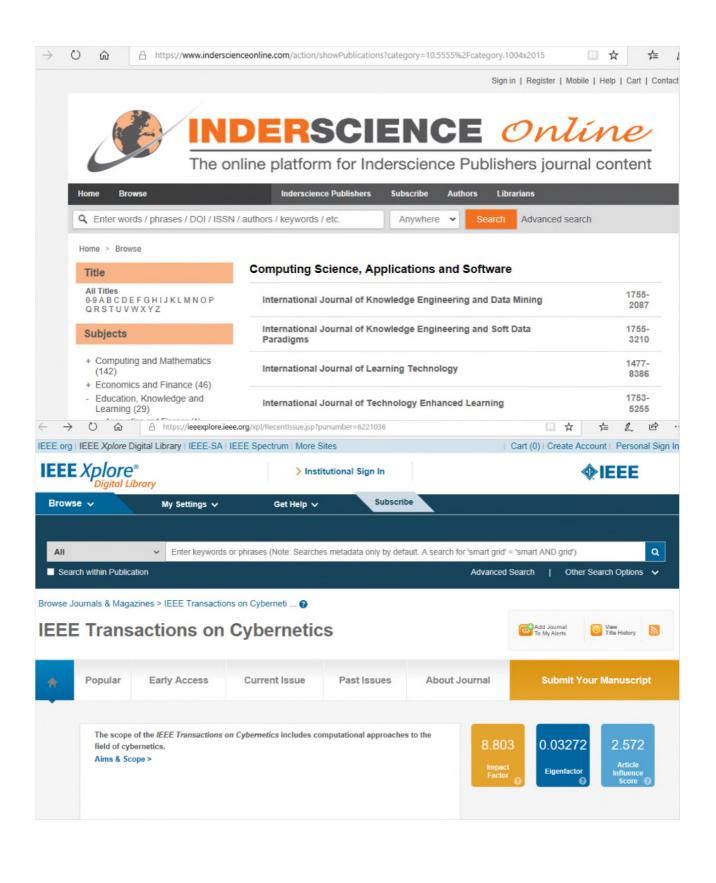
Vol. 12

Vol. 11

Vol. 10

· Scopus (Elsevier)

- · Emerging Sources Citation Index (Clarivate Analytics)
- · Academic OneFile (Gale)
- ACM Digital Library



Springer <springer@alerts.springer.com>

Clean Technologies and Environmental Policy, Vol. 20, Issue 7 - New Issue Alert

Pia, 14.Sep 2018 14:36:00

Stefan Svetsky <stefan.svetsky@stuba.sk>

If this email is not displayed correctly, please click here to read this table of contents online.



New Issue Alert

09/14/2018

## Dear Stefan Svetsky,

We are pleased to deliver your requested table of contents alert for Clean Technologies and Environmental Policy. Volume 20 Number 7 is now available online.

Special Issue: Sustainable Bioenergy Systems: Supply Chains, Processes & Products



## Do you want to publish your article in this journal?

Please visit the homepage of Information Retrieval Journal for full details on:

- · aims and scope
- editorial policy
- · article submission

Impact Factor: 1.488 (2017)

Journal Citation Reports®, Clarivate Analytics

## Read open access articles

Click here to view all open access articles published in this journal.

Interested in publishing your article open access?

When you opt for Open Choice, you retain full copyright and your article is permanently freely available.

## Do you want to publish your article in this journal?

Please visit the homepage of Instructional Science for full details on:

- · aims and scope
- · editorial policy
- · article submission

Impact Factor: 1.922 (2017)

Journal Citation Reports®, Clarivate Analytics

## Read open access articles

Click here to view all open access articles published in this journal.

Interested in publishing your article open access?
When you opt for Open Choice, you retain full copyright and your article is permanently freely available.

## Do you want to publish your article in this journal?

Please visit the homepage of User Modeling and User-Adapted Interaction for full details on:

- aims and scope
- editorial policy
- · article submission

Impact Factor: 2.808 (2017)

Journal Citation Reports®, Clarivate Analytics

## Read open access articles

Click here to view all open access articles published in this journal.

Interested in publishing your article open access? When you opt for Open Choice, you retain full copyright and your article is permanently freely available.

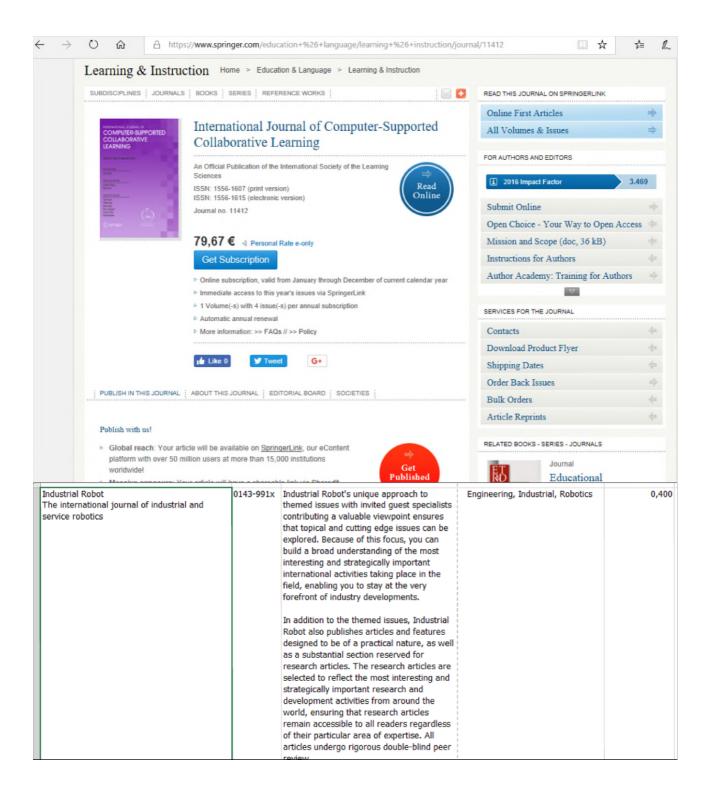
## Sign up for SpringerAlerts!

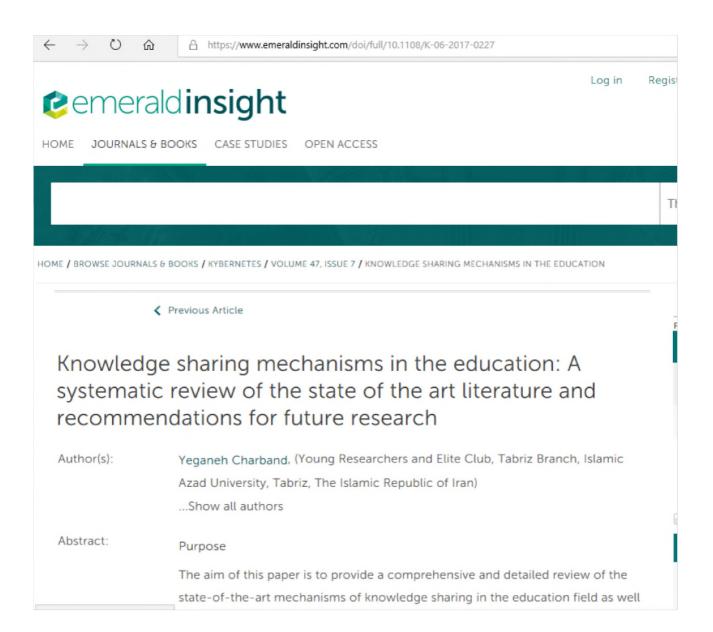
Register for Springer's email services providing you with info on the latest books in your field. » Click here

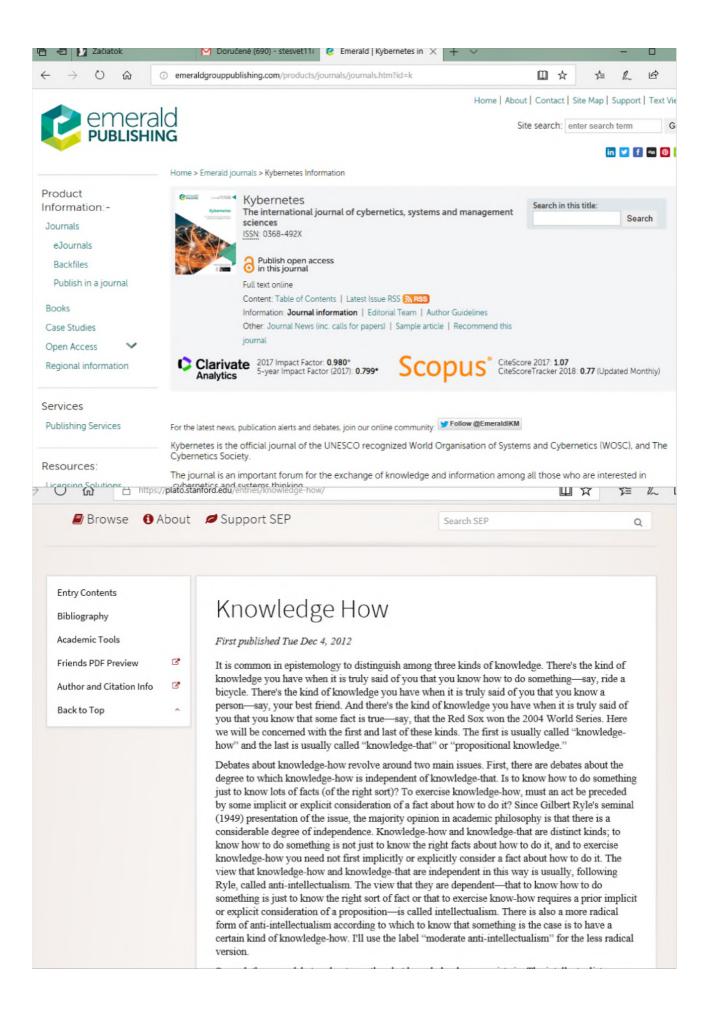
## Important news

## Match your upcoming paper with one of the best journals in Human Computer Interaction

We invite you to publish with us! Discover relevant journals in your discipline: aims & scope, submission links, online content, open access publishing options, and the benefits you will enjoy as an author.









EU publications

Search in EU Publications

More search options | Query Wizard | Browse by subject

EUROPA > EU law and publications > EU Bookshop > Magazines

Home EU Bookshop



#### **Magazines**

Discover some of the periodicals published by the EU institutions, agencies and bodies, dealing with many different issues and subjects.



#### Research\*eu results magazine

Nº 74, July 2018

Can big data go mainstream? In 1999, the advent of blogging gave birth to what we've all come to know as the Web 2.0. From consumers of content generated by a very limited number of sources, internet users had become the creators of this content. The amount of information available ballooned, and suddenly everyone was given a platform large enough to become an influencer. It didn't take long before businesses and ICT experts realised that the amount of data generated online, although almost impo...

Date: 2018-06-27

Springer <springer@newsletter.springer.com>
International Journal of Intelligent Robotics and Applications - Free Access
Wed, 21 Feb 2018 03:39:40 +0000
stefan.svetsky@stuba.sk

## Our business is Publishing



## Don't miss out on this new journal



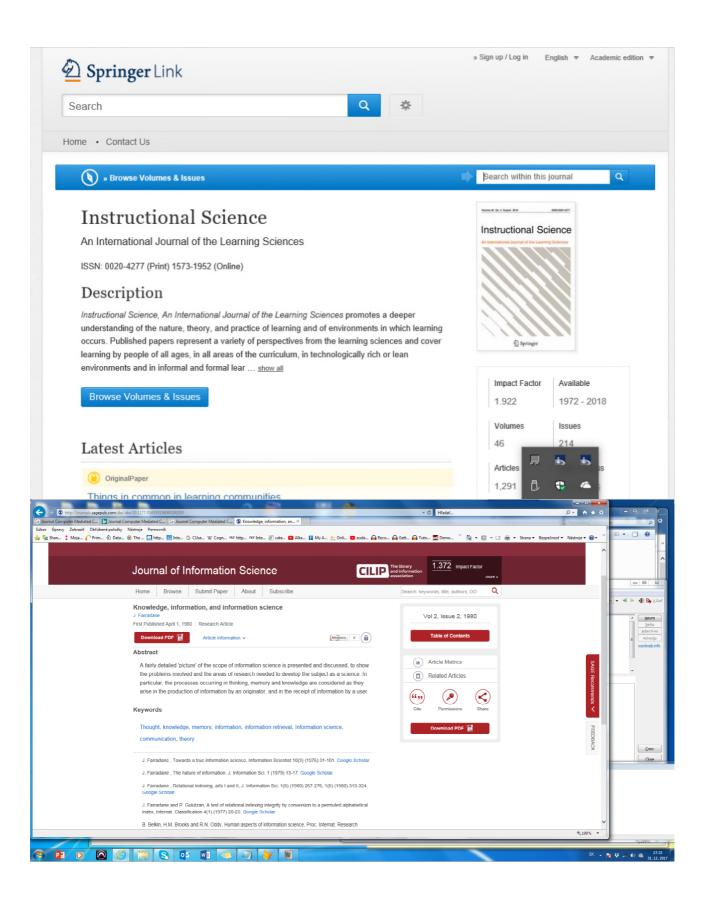
## International Journal of Intelligent Robotics and Applications

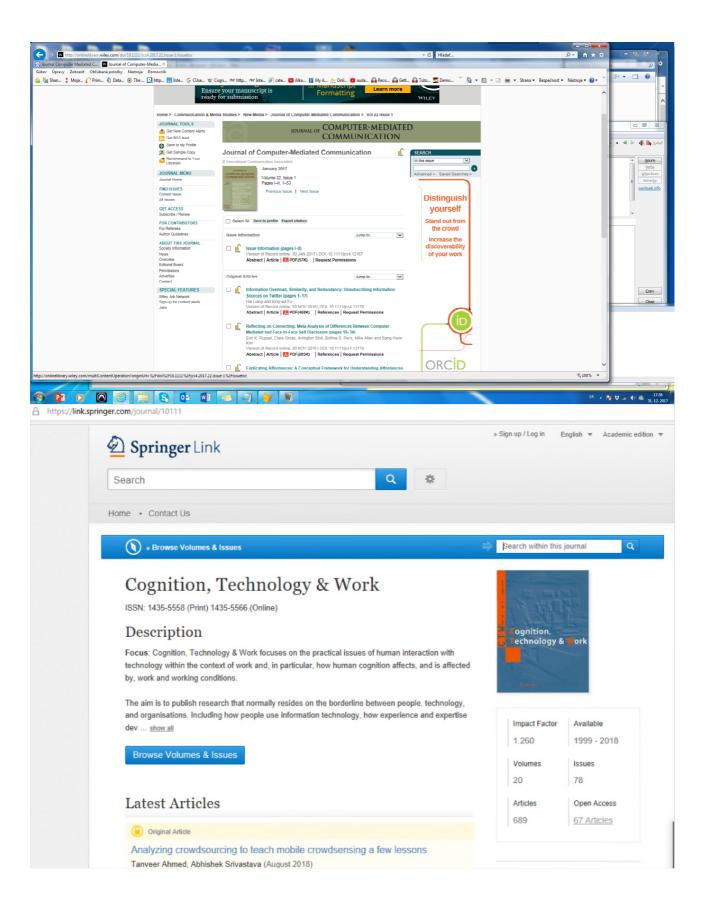
Editor-in-Chief: Kok-Meng Lee

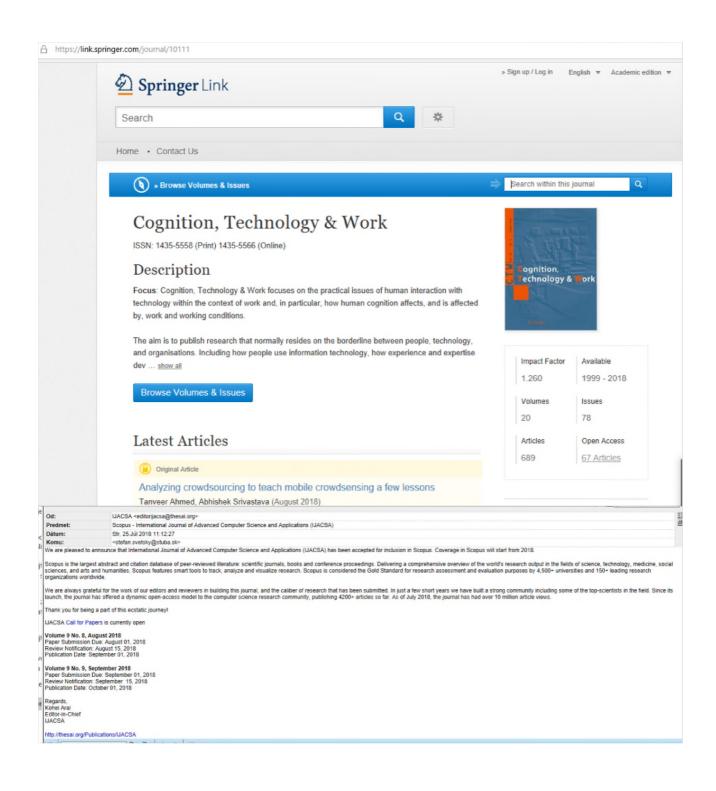
Co-Editors-in-Chief: H. Liu; Z. Yin

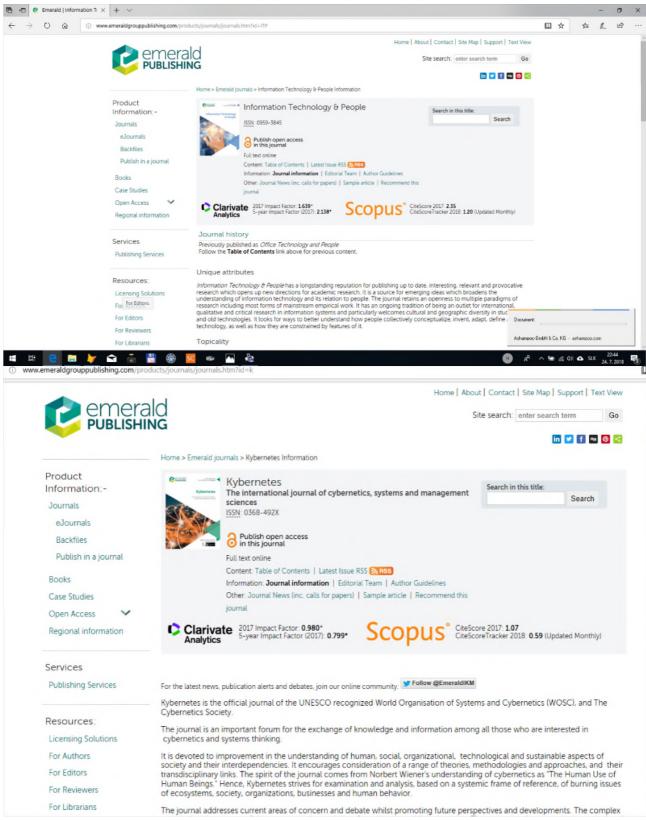
- · Launched in 2017
- Covers all aspects of robotics, including automation, mechatronics, robotic design and manufacturing
- Devotes special attention to the novel and emerging applications of robotics
- Integrates theories and technologies from computer science, mechanical engineering, electrical and electronic engineering
- · Rapid review and publication of articles

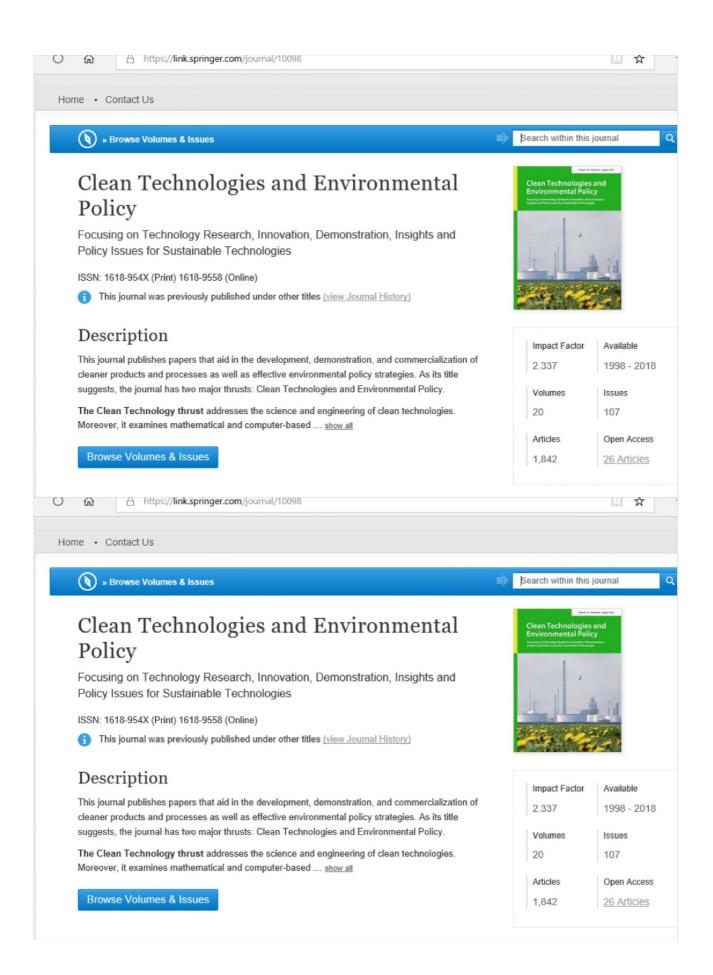
## Enjoy free access to all articles

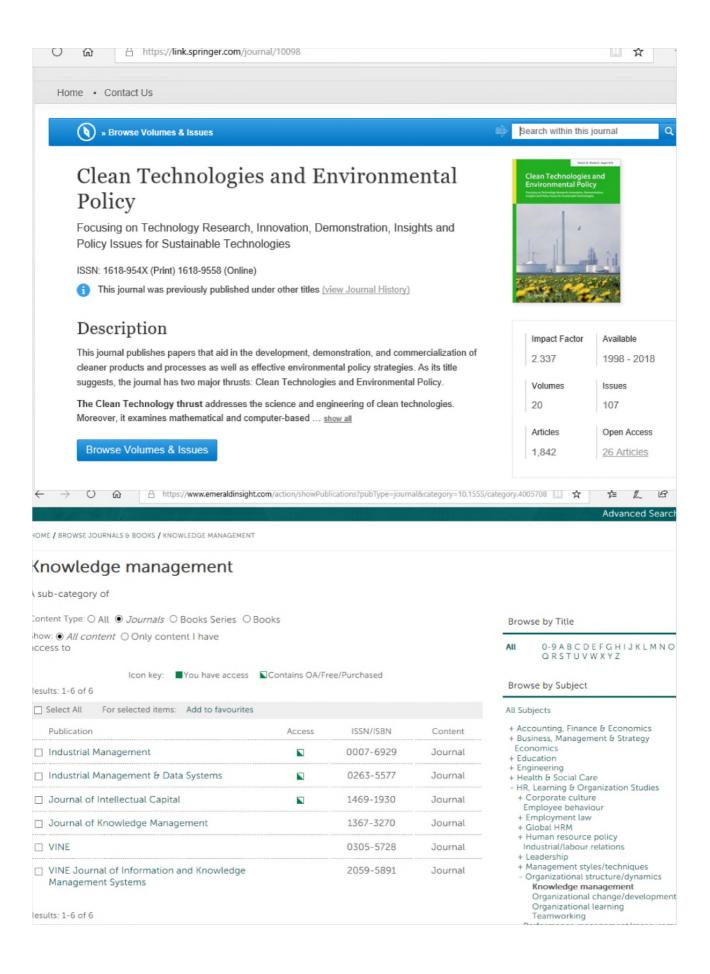


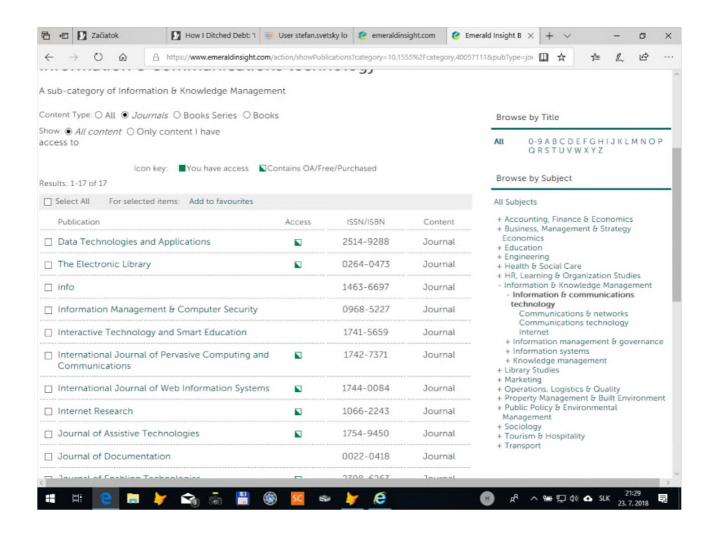












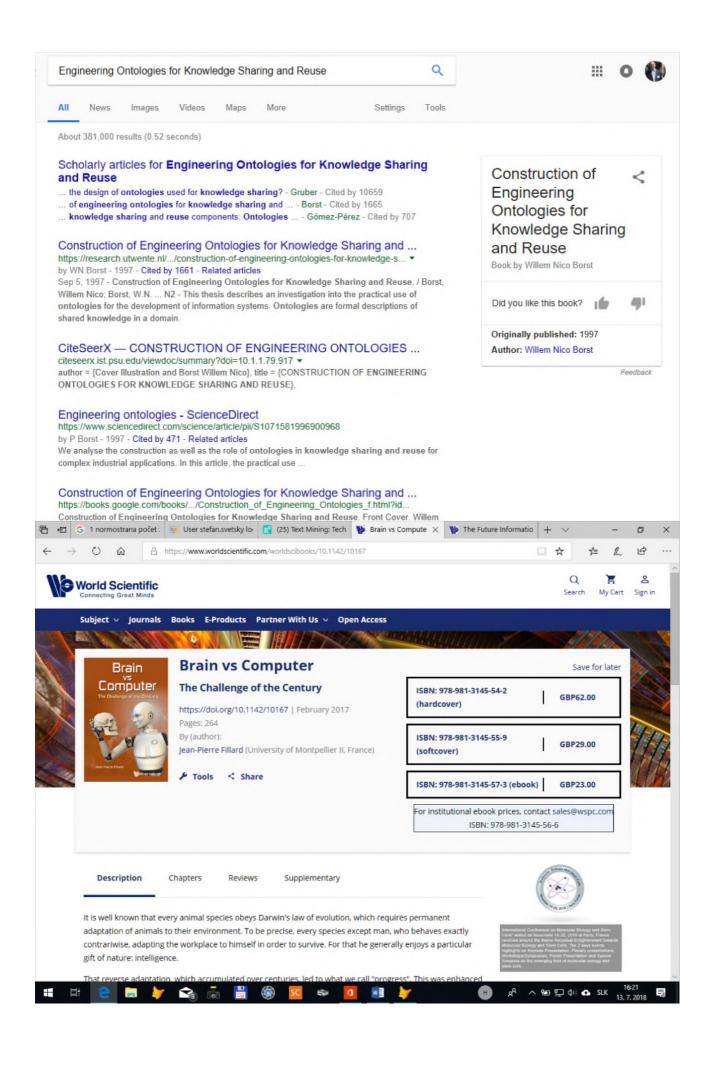
SpringerOpen <springeropen@newsletter.springer.com>
Submit your research to International Journal of STEM Education
Pon, 23.Júl 2018 14:34:28
<stefan.svetsky@stuba.sk>

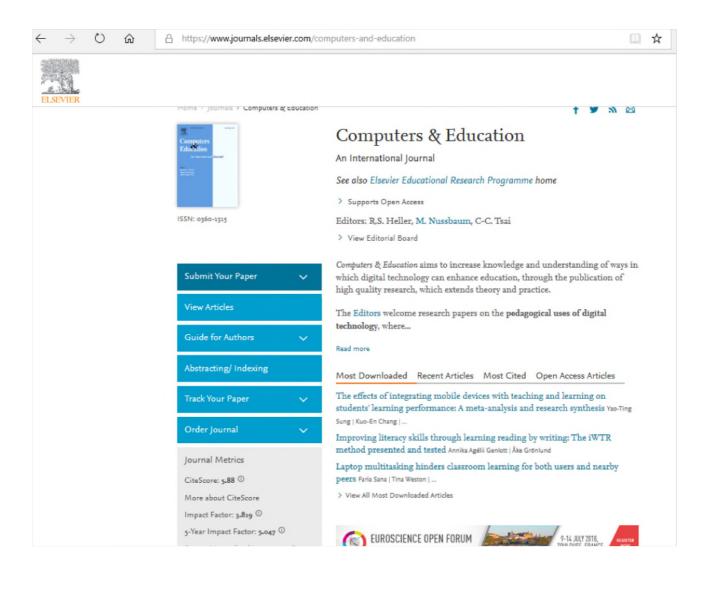
Our Business is Publishing

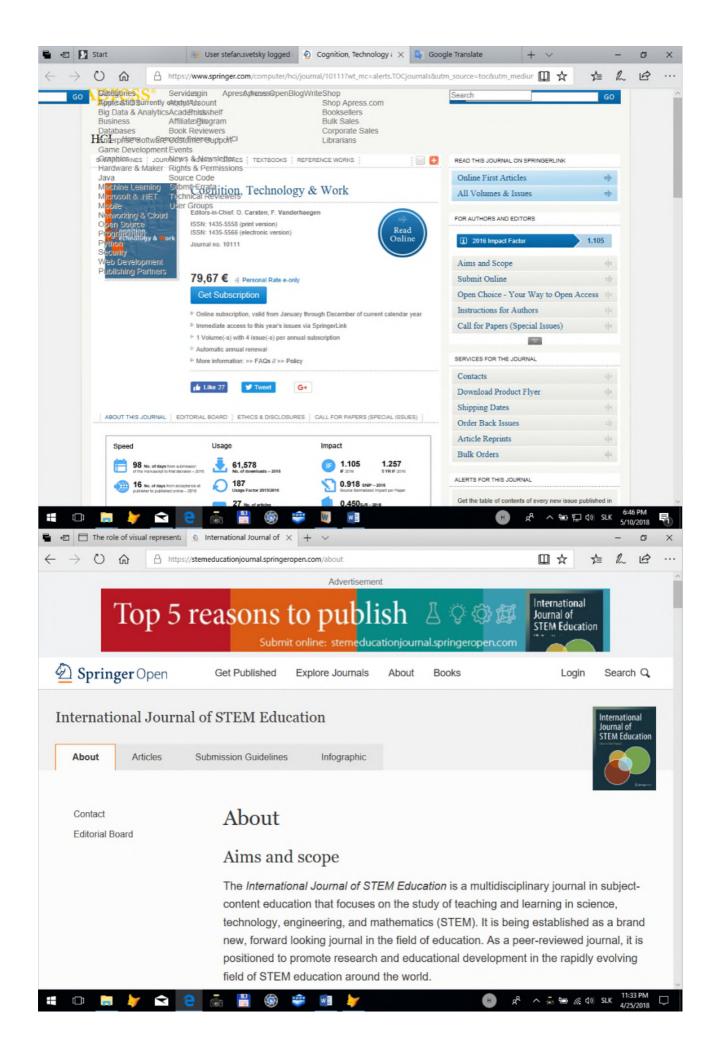


Dear Reader,

We would like to invite you to submit your next manuscript to the open access journal *International Journal of STEM Education*. A multidisciplinary journal in subject-content







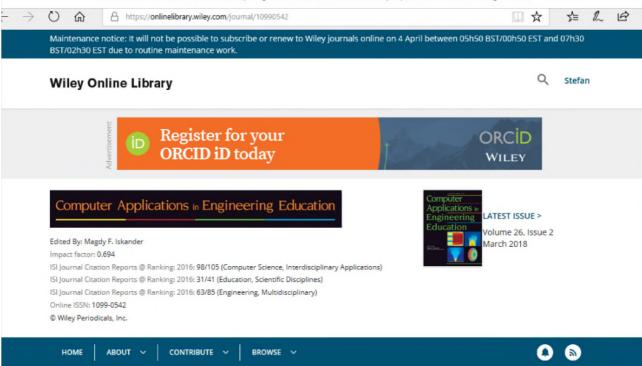


JOCCH Journal on Computing and Cultural Heritage (JOCCH)

ACM Journal on Computing and Cultural Heritage (JOCCH) publishes papers of significant and lasting value in all areas relating to the use of ICT in support of Cultural Heritage, including (but not limited to) the following areas:

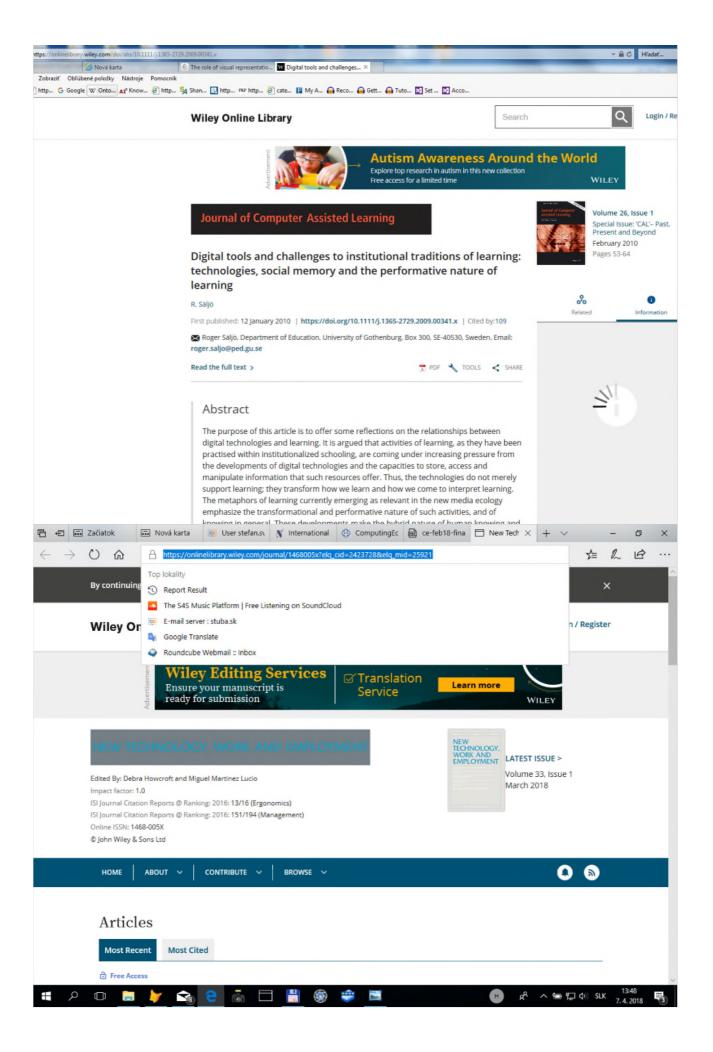
- · On-site and remotely sensed data collection
- · Metadata, classification schema, ontologies and semantic processing
- · Analytic tools to assist research on collections or artefacts
- · Digital artefact capture, representation and manipulation
- ICT assistance in monitoring and restoration
   Intelligent tools for digital reconstruction
- Long term preservation of digital artefacts
- Provenance, copyright and IPR
- · Story-telling and other forms of communication
- · Digital capture and annotation of intangible heritage (performance, audio, dance, oral heritage)
- ICT technologies in support of creating new cultural experiences or digital artefacts
- · Augmentation of physical collections with digital presentations
- · Applications (e.g. in Education and Tourism)

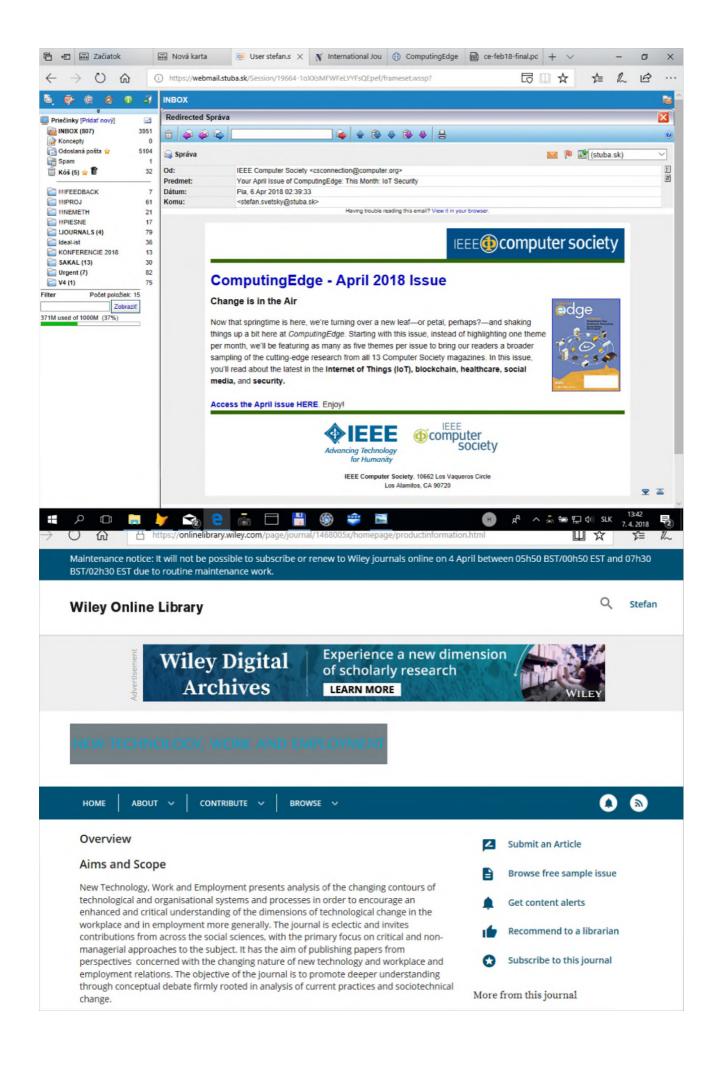
JOCCH seeks to combine the best of computing science with real attention to any aspect of the cultural heritage sector.



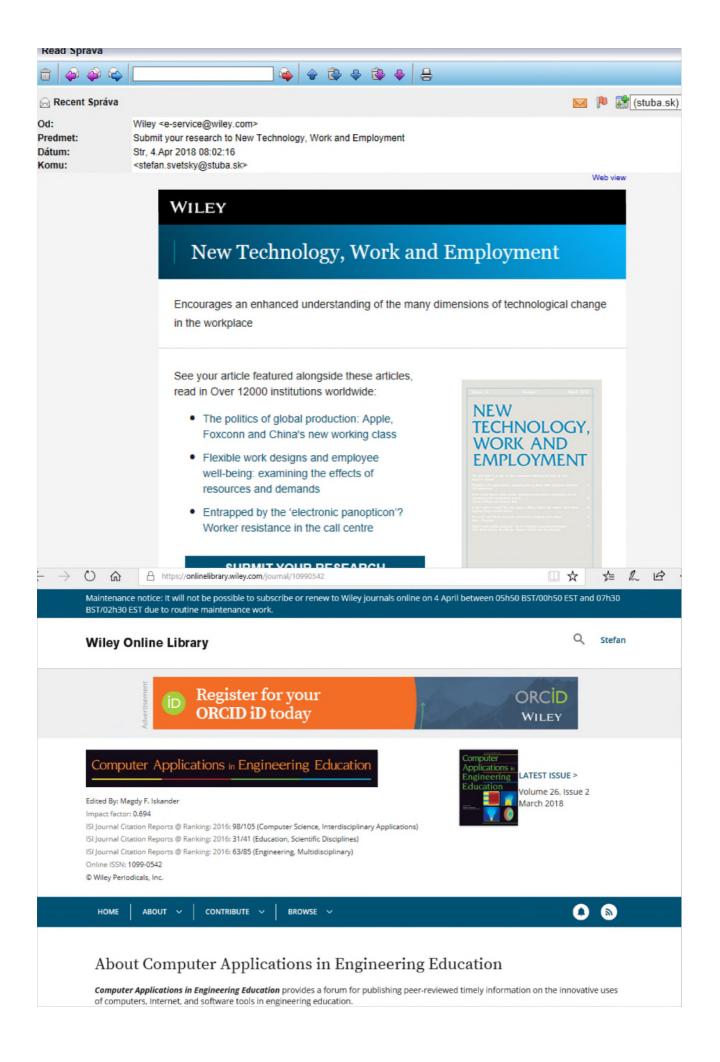
### About Computer Applications in Engineering Education

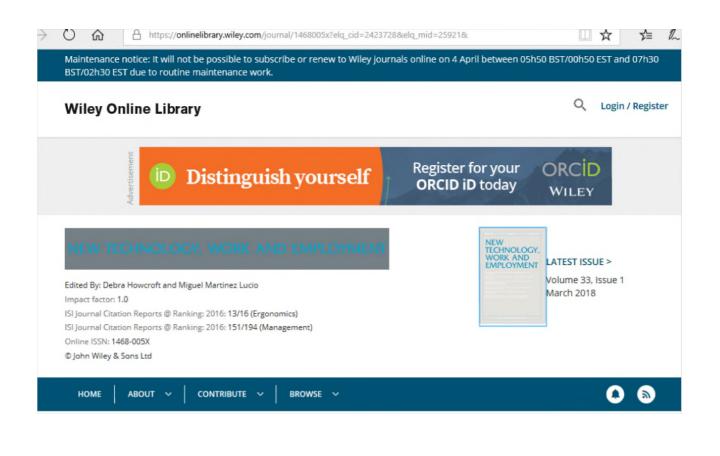
**Computer Applications in Engineering Education** provides a forum for publishing peer-reviewed timely information on the innovative uses of computers, Internet, and software tools in engineering education.











# BJET British Journal of Educational Technology

## **British Journal of Educational Technology**

@ British Educational Research Association



Edited By: Cristina Costa, Sara Hennessy, Carey Jewitt, Ian Menter, and

Andreja Istenič Starčič

Impact Factor: 1.318

ISI Journal Citation Reports @ Ranking: 2014: 46/224 (Education & Educational

Research)

Online ISSN: 1467-8535

Associated Title(s): British Educational Research Journal, Review of Education

#### **Editorial Board**

#### Interim Editorial Team

Cristina Costa, Lecturer in Technology Enhanced Learning, University of Strathclyde Sara Hennessy, Deputy Chair of BERA's Academic Publications Committee, Reader in Education, University of Cambridge

Carey Jewitt, Professor of Education and Technology, London Knowledge Lab, UCL Institute of Education

Ian Menter, BERA Vice-President, Emeritus Professor of Teacher Education, University of Oxford Andreja Istenič Starčič, Professor of Didactics, University of Primorska and University of Ljubljana, Slovenia and BJET Corresponding Editor for Europe and Scandinavia

#### Corresponding Editor for New Developments

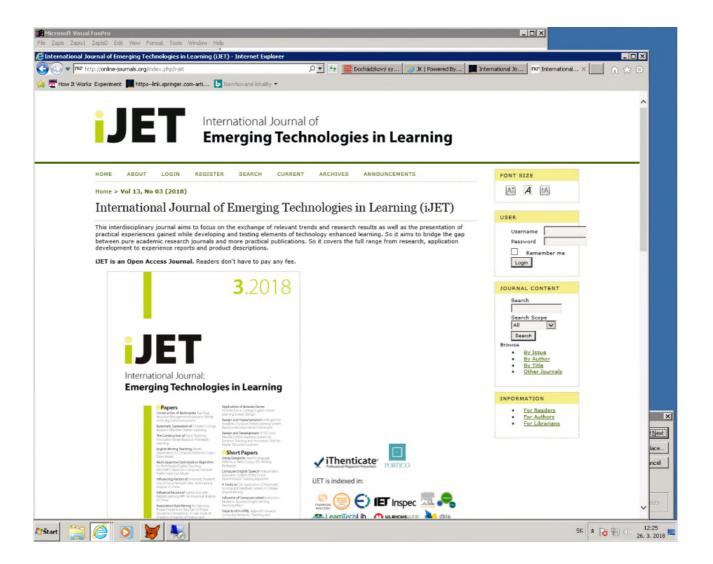
Min Jou,

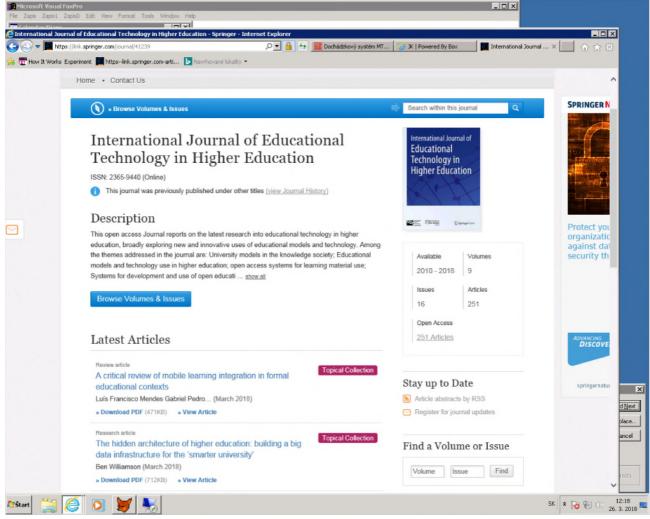
National Taiwan Normal University

No.162, Section 1,

He-Ping East Road,

Taipei, Taiwan





Springer <springer@newsletter.springer.com>
International Journal of Intelligent Robotics and Applications - Free Access
Wed, 21 Feb 2018 03:39:40 +0000
stefan.svetsky@stuba.sk

## Our business is Publishing



## Don't miss out on this new journal



## International Journal of Intelligent Robotics and Applications

Editor-in-Chief: Kok-Meng Lee

Co-Editors-in-Chief: H. Liu; Z. Yin

- · Launched in 2017
- Covers all aspects of robotics, including automation, mechatronics, robotic design and manufacturing
- Devotes special attention to the novel and emerging applications of robotics
- Integrates theories and technologies from computer science, mechanical engineering, electrical and electronic engineering
- · Rapid review and publication of articles

## Enjoy free access to all articles