



5th International Conference

ICCTIM2019

ISDF 2019

29NOV 1DEC2019

Metropolitan College

Thessaloniki-Greece

CONFERENCE PROGRAM

The time of each presentation including questions is 20 minutes. Please adhere to it.

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 **METROPOLITAN
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Message from the General Chair of ICCTIM & ISDF 2019

Speakers at ICCTIM & ISDF 2019 will address challenging and important aspects of interest to practitioners and researchers with a specific focus on the emerging trends and industry needs associated with Information Management, Computing Technology

The success of the submission, review and selection process would have not been possible without the full support of a strong international program committee that was expanded this year to include more research leaders who all worked extremely hard to evaluate the submitted papers and to provide extensive constructive feedback that has helped the authors to improve their research papers.

Each contributor to ICCTIM & ISDF 2019 does indeed add fresh views and thoughts, challenges our beliefs, and encourages further exploration and innovation on our part. We are grateful to each participant for providing the opportunity to share the invaluable ideas.

With the hope that the organization will open even wider awareness of knowledge, we welcome you to Metropolitan College, in Thessaloniki, Greece where you will enjoy the wonderful program of and encourage you to start working on your submission to the 2020 conferences.

Please do not hesitate to share with us your thoughts and feedback which will help us preparing the best for ICCTIM & ISDF 2020.

Antonis Mouhtaropoulos
Metropolitan College, Greece

DETAILED PROGRAM

Friday, November 29, 2019

ROOM: "ALEXANDER THE GREAT AUDITORIUM"

16:30 - 17:30 Registration

17:30 - 17:45 Opening Ceremony

OPENING REMARKS

DR. ATHANASIOS STAVERIS-POLYKALAS

Adviser to the Minister

Ministry of Digital Governance

17:45 - 18:15

KEYNOTE PRESENTATION

ANASTASIOS TZIKAS

President, Thessaloniki International Fair HELEXPO SA

& President, Technopolis Thessaloniki

ICT Business Park

PRESENTATION TITLE

**THESSALONIKI AS AN INNOVATION HUB
IN SOUTHEAST EUROPE**

18:15- 19:00

KEYNOTE PRESENTATION

PROFESSOR YANNIS CHARALABIDIS

Associate Professor, University of the Aegean,

Head, Digital Governance Research Center

PRESENTATION TITLE

**DIGITAL GOVERNANCE: FROM AUTOMATION
TO PROACTIVE SEAMLESS OPERATION**

19:00 - 19:20 Coffee Break

19:20 - 20:00

KEYNOTE PRESENTATION

PROFESSOR MILTOS PETRIDIS

Head of Department of Computer Science

Middlesex University, UK

PRESENTATION TITLE

**ARTIFICIAL INTELLIGENCE AND BIG DATA IN ACTION:
A STORY OF GREAT PROMISE AND SERIOUS CHALLENGES**

DETAILED PROGRAM

Saturday, November 30, 2019

ROOM: "ALEXANDER THE GREAT AUDITORIUM"

9:30 - 10:00 Registration

10:00 - 11:30 Session 1

SESSION CHAIR: THODORIS MANAVIS

- **Review analysis of IoT Forensics**
Effie Chadjimarkos, Metropolitan College
- **From Theory to Practice. What are the main problems for Information Security and Privacy?**
Argyro Chatzopoulou, Concordia
- **Performance challenges and security enhancement in cyber networks using Machine Learning analytics**
Aloysius Adotey Edoh and Christopher Okonkwo, University of East London, UK
- **Network Attack Detection Method Based on Matrix Factorization of their Time and Frequency Representations**
Dimitris Sklavounos, Spiros Chountasis, Aloysius Adotey Edoh, Metropolitan College & University of East London, UK
- **Active E-Learning techniques: a case study**
Ilaria Bartolini & Andrea Di Luzio
University of Bologna, Italy

11:30 - 12:00 Coffee Break

12:00 - 14:00 Session 2

SESSION CHAIR: ANTONIS MOUHTAROPOULOS

- **Chatbots: Present, Future, Security and Ethics**
Alex Vakaloudis, Cork Institute of Technology, Ireland
- **New era of Data Protection: EU initiatives to familiarize the GDPR to Business & Health sector**
Vasileios Akkogiounoglou, MC, Greece
- **Cyber & Technology in Deloitte Alexander Competence Centre**
Christos Vidakis, Deloitte
- **Reverse Penetration Testing:
Breaking the chains of egress filtering**
Yannis Koukouras, ISC2 Hellenic Chapter
- **Combining Gamp5 And IoT Security Compliance Framework to Secure IoT Devices of The Healthcare Industry**
Eleftherios Sigioltzakis & Emmanouil Serrelis. Metropolitan College, Greece
- **Development of A RiskAnd Eidas Regulation Based Approach for Money Laundering and Terrorism Financing**
Antonios Kallis & Emmanouil Serrelis, Metropolitan College, Greece

14:00- 14:30 Coffee Break

14:30 - 16:00 Session 3

SESSION CHAIR: ANTONIS MOUHTAROPOULOS

- **Security Assessment of Commercial Unified Communication Equipment**
Vassileios D. Kokkonis & Emmanouil Serrelis, Metropolitan College
- **Rapid Estimation of an Automated System State**
Vyacheslav Tokarev & Alexey Sychugov, Tula State University, Russia

16:00 - 16:15 Closing Ceremony

Thessaloniki City Tour

1st December 2019, 11:00 am

The tour will start in front of the college's premises (El. Venizelou 14 str.)

Tourist Guide: Ms. Evangelia Patsia, Licensed Tour Guide

Thessaloniki's long history and troubled past are reflected in today's urban landscape as a kaleidoscope of colors and images of different ethnic groups, the cultural production of the communities that have lived in this major Balkan port through the centuries. On this tour the city's monuments become the reference points for understanding its different historical periods and introducing its ethnic communities of the past: Roman (Galerius Complex), Byzantine (examples of 4th-15th century churches listed as UNESCO World Heritage Sites), Ottoman (ex mosques, hammams, markets), Jewish (Yad Lezikaron Synagogue & Holocaust monument). The last stop in this overview of Thessaloniki's multicultural identity is the port, the focal point for the city's occupation history and population movement.

Dating back to the Hellenistic Times, Thessaloniki has always been the epicenter of great developments, processes and events, being a principal gateway from the Mediterranean to the Balkans and Central Europe. Founded in 315 B.C. on the site of earlier prehistoric settlements, the Hellenistic City developed an increasingly important role as part of the Kingdom of Macedonia and later on the first Roman Tetrarchy. The Byzantine and Ottoman Times were those that defined the city's character: Thessaloniki was the second city of the Byzantine Empire, playing a leading spiritual and artistic role in the Balkans, frequently taking the lead in the secular and theological thinking of the age. The monuments surviving from that period are representative of the Byzantine culture and art over the centuries and Thessaloniki is regarded as an open museum of Byzantine art. Furthermore, the city prospered as a trade and business centre of the Ottoman Empire and was defined by the multi-ethnic populations that resided and set out in the area. Thessaloniki

was historically known for its prominent communities of Jewish, Turks, Serbs, Bulgarians that lived together with the Greeks for centuries.

In the beginning of the 20th century, this canvas was enriched by the advent of Greek refugee populations from Asia Minor that settled here, and die used new cultures, ethics, customs, and tastes in society. That was also the period when Thessaloniki was incorporated in the Greek State (1912) and when later (1917), a destructive fire, swept away the historic City Centre. The contemporary image of Thessaloniki is a natural consequence of that period: the newcomers became the media for the contemporary future and Thessaloniki prospered again in social, economic and cultural terms.

Thessaloniki through its history has been a melting pot of diverse cultures, religions and traditions and the city's multi-cultural heritage and profile was shaped by the work and deeds of emperors, saints, apostles, philosophers and thinkers, but also by its local residents, its refugees and immigrants. Thessaloniki, sometimes covered by the thick mist, sometimes stormed by the heady wind "Vardaris", yet always defined by its flairs and flavors, is nowadays an economic and cultural center, a vibrant focal point for the Balkans and a geographic landmark between the Eastern & Western Civilization.

Although penetrated by stories of joy and sorrow of the past, today the city enjoys a vibrant urban life, enriched by the largest student community in Greece, the increasing cultural production by numerous museums, organizations and smaller urban collectives and finally by the exquisite physical location that through time has enabled openness and inspiration.

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