

# Conference Program

## 2nd International Conference on Applied Mathematics and Computer Science



The 1st International Conference on Applied Mathematics and Computer Science (ICAMCS.info) was held in Paris, France, April 13-15, 2018 with Publisher the CPS (Conference Publishing Services)

<https://www.computer.org/conferences/cps>

Published by:



Format: The format is the IEEE Format:

<https://www.ieee.org/conferences/publishing/templates.html>

The Proceedings will be published by CPS

<http://www.computer.org/portal/web/cscps/home> and will be indexed in SCOPUS, ISI Web of Science, EI Compendex, ACM, ProQuest, Zentrablatt, EBSCO, Google Scholar, IEEEXplore.



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**Conference Location:**  
**Marathon Beach, Athens, Greece, June, 2-4, 2020**  
**<http://www.icamcs.info>**  
**[icamcs.info@gmail.com](mailto:icamcs.info@gmail.com)**

APSAC-AMSC-2020

<https://meet.google.com/zew-ujpt-cyf>

## Wednesday 3th June 2020

### Opening

08:45-09:00	Welcome and opening speech by Professor Nikos Bardis, Hellenic Military Academy, Greece
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### Session on Applied Physics, Simulation and Computing

Time: 09:00-11:30

Title: Applied Physics, Simulation and Computing

Chair: Prof. Nikos Bardis

09:00 – 09:20	Methods and Tools for Teaching Programming at University	Victor Kasyanov, Elena Kasyanova
09:20 – 09:40	Formal Verification of Cloud Sisal Programs	Victor N Kasyanov, Elena V Kasyanova, Dmitry A Kondratyev
09:40 – 10:00	Identification of the oculomotor system based on Volterra model with using Eye-tracking technology	Vitaliy Pavlenko, Marek Milosz, Mariusz Dzienkowski
10:00 – 10:20	Piezoelectric Glove Design and Test for Future Wearable Devices	Iolanda Ulisse, Davide Colaiuda, Stefano Ricci, Giuseppe Ferri
10:20 – 10:40	Modelling nuclear fuel assembly with thermal-hydraulic feedback and burnup using WIMS-PANTHER-Serpent	Jinfeng Li
10:40 – 11:00	Effects of fiber orientations on dispersion characteristics of guided waves for multilayered GLARE composites	Marek Barski
11:00 – 11:20	Notes on New Physical & Hybrid Modelling Trends for Material Process Simulations	Horr Amir
11:30- 12:00	<b>COFFEE BREAK</b>	

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## Session on Applied Mathematics & Computer Science

Time: 12:00-14:50

Title: Applied Mathematics & Computer Science

Chair: Nikos Bardis

12:00 – 12:20	Ontological design knowledge components of educational resources software engineering	Bulat Kubekov, Leonid Bobrov, Anar Utegenova, Vitaliy Naumenko, Aibek Ibraimkulov
12:20 – 12:40	General decay results for a viscoelastic plate equation with infinite memory and logarithmic nonlinearity	Adel M. Al-Mahdi
12:40 – 13:00	Numerical simulation of blood pulsatile flow in stenotic coronary arteries: The effect of turbulence modeling and non-Newtonian assumptions	Violeta Carvalho, Nelson Rodrigues, Rui Lima, Senhorinha Teixeira
13:00 – 13:20	On the Asymptotic Behavior of Solutions for a Fractional Differential Equation with a Singular Kernel	Ahmed Mahdi Muqbil Ahmed
13:20 – 13:40	Wavelet Decomposition for Generalized Haar Spaces	Yuri K.Demyanovich, Tatjana A.Safonova, Mikhail A.Terekhov
13:40 – 14:00	On Construction of Singular Splines	Yu. K.Demyanovich, T.O.Evdokimova, O.N.Ivancova, D.M.Lebedinskii, A.Y.Ponomareva
14:00 – 14:20	Approximation with Polynomial and Trigonometric Splines of the Third Order and the Interval Estimation	I.G.Burova, E.F.Muzafarova
14:20 – 14:40	On approximation with the continuous polynomial cubic splines	I.G.Burova