# - ICAS 2017 - International conference on Applied Sciences



### Organized by:

**University Politehnica Timisoara** 



and

**University of Banja Luka** 



in cooperation with

Academy of Romanian Scientists
Academy of Sciences Republic of Srpska
Academy of Technical Sciences of Romania - Timisoara Branch

General Association of Romanian Engineers - Hunedoara Branch

May 10-12, 2017 Hunedoara, ROMANIA





University of Banja Luka

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Academy of Technical Sciences of Romania - Timisoara Branch
and

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### - IUS 2017 -International conference on Applied Sciences





Hunedoara, Romania, May 10-12, 2017 <a href="http://www.fih.upt.ro/v4/ICAS2017/index.htm">http://www.fih.upt.ro/v4/ICAS2017/index.htm</a>

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### International conference on Applied Sciences

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	May 10, 2017
15:00-20:00	Registration of participants
20:00-24:00	Welcome Dinner
	May 11, 2017
8:00-9:00	Registration of participants (Faculty of Engineering)
9:00-9:30	OPENING CEREMONY (Room Aula Magna) Chairman: Ludovic Dan LEMLE
	Members of Presidium:
	Mile VASIC
	Ambassador of Bosnia and Herzegovina in Romania  Predrag DAMJANOVIC
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	Ion Doru PETRESCU C.E.O. ArcelorMittal S. A.
	Yang XI
	S. C. Eurosport DHS S. A.

9:30-9:45	Group Photo
9:45-10:00	Coffee Break
	May 11, 2017
10:00-13:00	PLENARY SESSION (Room Aula Magna) Chairmen: Tihomir LATINOVIC and Imre KISS
10:00-10:30	Mohsen RAZZAGHI Mississippi State University
10:30-11:00	<b>Miroslav PRSA</b> University of Novi Sad
11:00-11:30	Bogdan LUNGU Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering
11:30-12:00	Mircea Octavian POPOVICIU Academy of Romanian Scientists
12:00-12:30	Ioan ILCA Academy of Technical Sciences of Romania
12:30-14:00	Lunch
14:00-17:00	PARALLEL SESSIONS
17:00-17:15	Coffee Break
17:15-20:00	PARALLEL SESSIONS

14:00-20:00	MECHATRONICS Session (Room F1-10) Chairmen: Ilare BORDEA <b>Ș</b> U and Miroslav ROGIC
	Title: Instantaneous flywheel torque of IC engine grey-box identification Authors: A Milašinović, D Knežević, Z Milovanović and J Škundrić
	Speaker: A Milašinović
	Title: 3C-SiC: A promising material for GHz resonators in out-of-plane resonance mode Authors: M Zarog Speaker: M Zarog
	Title: Analysis of time in establishing synchronization radio communication system with an expanded spectrum conditions for communication with mobile robots  Authors: T S Latinovic, S B Kalabic, C Barz, P P Pop and A Pop-Vădean  Speaker: T S Latinovic
	Title: Appreciations regarding use of the Rz roughness parameters in evaluating materials behavior to cavitation erosion  Authors: I Bordeasu, M O Popoviciu, C Gherea, L M Micu and L D Pirvulescu  Speaker: I Bordeasu
	Title: Generate stepper motor linear speed profile in real time Authors: M Stoychitch Speaker: M Stoychitch
	Title: Finite element method analysis of the speed reducer housings Authors: I Zs Miklos, C C Miklos, C I Alic and S Rațiu Speaker: I Zs Miklos
	<b>Title</b> : Comparative study of oxihydrogen injection in turbocharged compression ignition engines <b>Authors</b> : L Barna and D Lelea <b>Speaker</b> : L Barna
	Title: Research on integration in mechatronics natural patterns using transdisciplinary approaches  Authors: P P Pop, A L Pop-Vădean, C Barz, T Latinovic and A Pintescu  Speaker: P P Pop
	Title: Three different types of induction vibration energy devices and their applications  Authors: A L Pop-Vădean, P P Pop, C Barz, T Latinovic and A Pintescu  Speaker: A L Pop-Vădean
	Title: Particular mechanism for continuously varying the compression ratio for an internal combustion engine  Authors: S Rațiu, R Cătălinoiu, V Alexa, I Zs Miklos and V Cioată  Speaker: S Rațiu
	Title: Minimal algorithm for running an internal combustion engine Authors: V Stoica, A Borborean, A Ciocan and C Manciu Speaker: V Stoica
	Title: Test bench for common rail injection system behavior analysis  Authors: R Maruta and V Stoica  Speaker: V Stoica
	Title: Experimental test bench for ICE management algorithm testing Authors: A Borborean, A Ciocan and V Stoica Speaker: A Borborean
17:00-17:15	Coffee Break

Title: An evolutionary sensor approach for self-organizing pr Authors: EV Gillich, M Mocan, I C Mituletu and G Speaker: GR Gillich	
Title: Decoupling the structure from the ground motion during earthque pendulums	akes by employing friction
Authors: G R Gillich, V Iancu, N Gillich, C P Chioncel an Speaker: G R Gillich	nd C Hatiegan
Title: The behaviour of a vehicle's suspension system on dynami Authors: L Mihon, N Lontis and S Deac Speaker: L Mihon	c testing conditions
<b>Title:</b> Powertrain simulation for a hybrid/electric sr <b>Authors:</b> L Mihon, N Lontis and S Deac <b>Speaker:</b> L Mihon	nall car
Title: Determination of transverse critical speeds of a rotor by vibro Authors: I Crâstiu, D Simoiu and L Bereteu Speaker: I Crâstiu	
Title: Modeling and simulation of a vehicle in frontal Authors: S Deac, A Perescu and L Bereteu Speaker: S Deac	collision
Title: Innovation-Prototype. Making hydraulic and/or pneumatic plates ( Authors: V Alexa, S Rațiu, I Kiss, V Cioată and M I Speaker: V Alexa	0 1 0,
Title: Social Humanoid Robot SARA: Development of the w Authors: M Penčić, M Rackov, M Čavić, I Kiss and V Speaker: M Penčić	
Title: Analysis of whole-body vibration on rheological mod Authors: A Neamţu-Popescu, Gh Draganescu and L Speaker: A Neamţu-Popescu	
Title: Determination of some mechanical characteristics of surface of signals obtained by impulse excitation Authors: E Nyaguly, D Simoiu, Gh Drăgănescu and I Speaker: E Nyaguly	,
Title: Study of the influence of the cutting temperature on the magnit in the machining device Authors: V G Cioată, I Kiss, V Alexa, S Rațiu and M Speaker: V G Cioata	
Title: Adjustment of gripping force by optical sys Authors: C K Jalba and C Barz Speaker: K Jalba	stems





14:00-20:00

MATERIALS SCIENCE Session (Room F1-8)
Chairmen: Erika ARDELEAN and Dragana JOVANOVIC

Title: XAFS study of YxSm1-xBO3 oxide Authors: O M Ozkendir, H Gundogmus and C Saiyasombat Speaker: O M Ozkendir Title: Crystal and electronic structure of the SmxFel-xBO3 oxide Author: O M Ozkendir Speaker: O M Ozkendir Title: Security of bottle when charging on high-pressure by air Authors: M Todic, T Latinovic, V Golubovic-Bugarski and A Majstorovic Speaker: M Todic Title: Evaluation of green living walls and their part in sustainable development Authors: D Dimitrijević, P Živković, M Tomić, M Dobrnjac, and J Branković Speaker: P Živković Title: Study of materials used for the thermal protection of the intake system for internal combustion engines Authors: C Birtok-Băneasă, S Rațiu, V Puțan and A Josan Speaker: C Birtok-Băneasă Title: Mathematical and physical modeling of thermal stratification phenomena in steel ladles Authors: V Putan, L Vîlceanu, A Socalici and A Putan Speaker: V Putan Title: Aspects regarding manufacturing technologies of composite materials for brake pad application Authors: A L Craciun, T Heput and C Pinca-Bretotean Speaker: A L Craciun Title: Methods of silver recovery from radiographs – comparative study Authors: LR Canda, E Ardelean and T Heput Speaker: L R Canda Title: Research regarding the vacuuming of liquid steel on steel degassing Authors: M Magaon, M Radu, S Serban and L Zgripcea Speaker: M Magaon Title: Critical analysis of the influence of the possibilities of establishing the moulding technology on obtaining the castings Authors: A Josan, C Pinca-Bretotean and S Ratiu Speaker: A Josan Title: Research on the improvement of the physical and mechanical characteristics of steels for conical gearing through nitrocarburation Author: G Mihut Speaker: G Mihut Title: Surface treatments for aluminum alloys Authors: M Ardelean, S Lascau, E Ardelean and A Josan

Speaker: M Ardelean

17:00-17:15 Coffee Break

Title: Contributions to optimization of storage and transporting industrial goods Authors: T Babanatsas, R Babanatis-Merce, D O Glavan and A Glavan Speaker: T Babanatsas
Title: Modelling in 3D the olive trees cultures in order to establish the forces (interval) needed for automatic harvesting  Authors: T Babanatsas, D O Glavan, R Babanatis-Merce and S A Maris
Speaker: T Babanatsas Title: Comparative study of tool machinery sliding systems. Comparison between plane or cylindrical basic shapes
Authors: D O Glavan, T Babanatsas and R Babanatis-Merce Speaker: D O Glavan
Title: Study on influence of supplying compressed air channels and evicting channels on pneumatical oscilation system for vibromooshing  Authors: D O Glavan, I Radu, T Babanatsas and R Babanatis-Merce  Speaker: D O Glavan
Title: Statistical experiments using the multiple regression research for prediction of proper hardness in areas of phosphorus cast-iron brake shoes manufacturing  Authors: I Kiss, V G Cioată, S A Ratiu, M Rackov and M Penčić  Speaker: I Kiss
Title: Statistical research using the multiple regression analysis in areas of the cast hipereutectoid steel rolls manufacturing  Authors: I Kiss, V Alexa, S Serban, M Rackov and M Čavić
Speaker: I Kiss  Title: Directions for material recovery of used tires and their use in the production of new products intended for the industry of civil construction and pavements  Authors: C Bulei, M P Todor, T Heput and I Kiss  Speaker: C Bulei
Title: Researches on the development of new composite materials complete / partially biodegradable using natural textile fibers of new vegetable origin and those recovered from textile waste  Authors: M P Todor, C Bulei, T Heput and I Kiss  Speaker: M P Todor
Title: The rainfall-runoff modeling using a conceptual model  Author: C Badaluta-Minda  Speaker: C Badaluta-Minda





14:00-20:00

### ELECTRICAL ENGINEERING Session (Room FI-1) Chairmen: Branko BLANUSA and Gabriel POPA

	Title: Hydroelectric Power Plant with variable flow on drinking water adduction Authors: S I Deaconu, R Babău, G N Popa and P L Gherman Speaker: S I Deaconu
	Title: Highlighting the harmonic regime generated by electric locomotives equipped with DC motors  Authors: I Baciu and C D Cuntan  Speaker: C D Cuntan
Т	Title: Determination of the wind power systems load to achieve operation in the maximum energy area  Authors: C P Chioncel, E Spunei, C V Anghel-Drugarin and O G Tirian  Speaker: C V Anghel-Drugarin
	Title: Performances' optimization of an axial flux synchronous machine for electrical traction system  Authors: I Mandru, S Deaconu, M Topor, I Nuca and M Burduniuc  Speaker: I Mandru
	Title: Electrical engineering related to high voltage Author: O Olawale Speaker: O Olawale
	Title: Power quality analysis of DC arc furnace operation using the Bowman model for electric arc Authors: PLGherman Speaker: PLGherman
	Title: A few categories of electromagnetic field problems treated through fuzzy logic  Authors: M Lolea, S Dziţac and Gh Ias  Speaker: M Lolea
Tiı	tle: Calculation methods and spatial distribution assessment of the parameters of electric and magnetic field generated by power networks  Authors: M Lolea, S Dziţac and A Minda  Speaker: M Lolea
	Title: Study regarding the influence of environmental temperature and irradiation conditions on the performance of a photovoltaic solar module  Authors: C Haţiegan, N Gillich, C Popescu, E Răduca, L Haţiegan and C P Chioncel  Speaker: C Hatiegan
	Title: Methods for maintaining the continuity of power supply in hospitals Authors: V V Mihuţ, M Pănoiu, C Pănoiu and I Baciu Speaker: V V Mihut
	<b>Title:</b> Simulation of internal control services in the 220/110 kV substation Mintia <b>Authors:</b> D Ciulica and R Rob <b>Speaker:</b> D Ciulica
	Title: Optimizing the switching time for 400 kV SF6 circuit breakers  Authors: D Ciulica, M Panoiu and C Panoiu  Speaker: D Ciulica
	Title: Power factor improvement in three-phase networks with unbalanced inductive loads using the Roederstein ESTAmat RPR varmetric regulator  Authors: C M Dinis, C D Cunṭan, R O S Rob and G N Popa  Speaker: C M Dinis
	Title: Automation of water supply and recirculation-filtration of water at a swimming pool using Zelio PLC  Authors: C M Dinis, G N Popa and A Iagăr  Speaker: C M Dinis

17:00-17:15	Coffee Break
	Title: Time series prediction in the case of nonlinear loads by using Adaline and NAR neural networks  Authors: L Ghiormez, M Panoiu, C Panoiu and O Tirian  Speaker: L Ghiormez
	Title: Study of a phase-to-ground fault on a 400 kV overhead transmission line Authors: A Iagăr, G N Popa and C M Diniș Speaker: A Iagar
	Title: Experimental model of a wind energy conversion system Authors: C Vasar, C L Rat and O Prostean Speaker: C L Rat
	Title: Hardware-in-the-Loop emulator for a hydrokinetic turbine Authors: C L Rat, I Filip and O Prostean Speaker: C L Rat
	Title: Out-of-equilibrium body potential measurements in Pseudo-MOSFET for Biosensing Authors: L Benea, M Bawedin, C Delacour, S Cristoloveanu and I Ionica Speaker: L Benea
	Title: The comfort of the passengers Authors: R Hasa, T Liedl and J Bucha Speaker: R Hasa
	Title: Vrška Čuka wind energy potentials Authors: P Živković, M Tomić, D Dimitrijević and M Dobrnjać Speaker: P Živković
	Title: Issues regarding the usage of MPPT techniques in micro grid systems  Authors: I Szeidert and I Filip  Speaker: I Szeidert
	Title: Issues regarding modelling and control of a double winded induction generator  Authors: I Szeidert and C Vasar  Speaker: I Szeidert
	Title: Modeling and prediction of the pantograph – catenary distance variation in railway transportation  Authors: M Panoiu, C Panoiu, S Rusu Anghel, R Rob  Speaker: M Panoiu
	Title: Electromechanical converters for electric vehicles Authors: T Ambros, M Burduniuc, S I Deaconu and N Rujanschi Speaker: T Ambros
	Title: Electric axial magnetic flux machines Authors: I Nuca, T Ambros, M Burduniuc, S I Deaconu and A Turcanu Speaker: I Nuca
	Title: Bidirectional automatic release of reserve for low voltage network made with low capacity PLCs  Authors: I Popa, G N Popa, C M Diniș and S I Deaconu  Speaker: G N Popa
	Title: Industrial application of low voltage bidirectional automatic release of reserve  Authors: G N Popa, C M Diniș, A Iagăr, S I Deaconu and I Popa  Speaker: G N Popa

14:00-20:00

### COMPUTERS ENGINEERING Session (Room F1-2) Chairmen: Ratko DEJANOVIC and Manuela PĂNOIU

Title: The control application with eye blink fatigue due to the android device Authors: M Habonimana, M H Birashakwa, D Niyonkuru, H Djohari and V Kabaza Speaker: M H Birashakwa
Title: Anthropometric parameters problem solving of shoe lasts by deforming membranes
with medium weight
Authors: A V Albu and C V Anghel Drugarin
Speaker: C V Anghel-Drugarin
Title: Practical application in spectral analysis, combining Labview
and Open Source Software
Authors: C P Chioncel and C V Anghel Drugarin
Speaker: C V Anghel-Drugarin
Title: Using TELOS for the planning of the information system audit
Authors: D Drljača and B Latinović
Speaker: D Drljača
Title: Gamification in the context of a smart city
Authors: M Zica, A Ionica, M Leba and C Rus
Speaker: A Ionica
Title: Driver monitoring system for automotive safety
Authors: A Lorincz, M Risteiu, A Ionica and M Leba
Speaker: A Ionica
Title: Quadcopter control using a BCI
Authors: S Rosca, Monica Leba, A Ionica and O Gamulescu
Speaker: M Leba
Title: A small step in VLC systems – A big step in LiFi implementation
Authors: S Riurean, A A Nagy, M Leba and A Ionica
Speaker: M Leba
Title: System for ontology alignment for the Semantic Sensor Web which uses
fuzzy logic techniques
Authors: A Pintescu, A L Pop-Vădean and P P Pop
Speaker: A Pintescu
Title: Cooling water flow control realized with systems based on fuzzy mechanism
Authors: G O Tirian, C A Gheorghiu, T Heput and C P Chioncel
Speaker: C A Gheorghiu
Title: The influence of cooling parameters on the speed of steel casting
Authors: G O Tirian, C A Gheorghiu, T Heput and C P Chioncel
Speaker: CAGheorghiu
Title: Controlling and monitoring a robotic arm through web interface
Authors: C Barz, K Jalba, T Latinovic, D Preradović, S Epple and A Pop-Vadean
Speaker: C Barz
Speaker. O Dat2

17:00-17:15 Coffee Break

Title: Wind turbine remote control using Android devices  Authors: C L Rat and M Panoiu  Speaker: C L Rat	
Title: IPS technologies in sales improvement in companies in Banja Luka, Bosnia and He Authors: L Micic and D Preradovic Speaker: D Preradovic	erzegovina
Title: A comparison between using distance sensors for measuring the pantogra vertically movement  Authors: R Rob, C Panoiu, S. Rusu-Anghel and M Panoiu  Speaker: C Panoiu	ph
Title: Information system for automatic diagnosis of the railway contact line Authors: I Muscalagiu, C Abrudean, D M Muscalagiu and S Rusu-Anghel Speaker: I Muscalagiu	
Title: A strong background in computer technology Authors: O D Obanegha Speaker: O D Obanegha	



14:00-20:00 FUNDAMENTAL SCIENCES Session (Room F0-1)
Chairmen: Diana BISTRIAN and Daniel ROMANO

Title: Arguments for the need of mining education continuity and development in Romania  Authors: I Bud, S Duma, I Pasca and D Gusat  Speaker: S Duma
Title: Natural frequencies of thin rectangular plates clamped on contour using the finite element method Authors: L Hatiegan, C Haţiegan, G R Gillich, C O Hamat, O Vasile and L Nedeloni Speaker: C Hatiegan
Title: Possibility of using the smooth spline functions in approximation of average course of terrain inclinations caused by underground mining exploitation conducted at medium depth  Author: J Orwat  Speaker: J Orwat
Title: Evaluation of application possibilities of smooth splines to designation of the average values of terrain curvatures measured after the termination of hard coal exploitation conducted at medium depth Author: J Orwat  Speaker: J Orwat
Title: General aspects of speed multipliers Authors: A Bara, D Nedelcu, C Hațiegan, L Hațiegan and L Nedeloni Speaker: A Bara
Title: Experimental measurements concerning the stator insulation partial discharge level of a hydro- generator of high power Authors: C Haţiegan, A Bara, E Răduca, M R Jurcul, D Nedelcu and D A Pârşan Speaker: A Bara
Title: The numerical modeling of mixing phenomena of nanofluids in passive micromixers  Authors: R Milotin and D Lelea  Speaker: R Milotin
Title: Determination of the unsulfonate color concentration in D&C Yellow No. 10 by the derivative spectrophotometry  Author: S Jitian  Speaker: S Jitian
<b>Title:</b> Determination of Maintainability for Dacia 1304, 1,9D utility vehicle <b>Authors:</b> A Budiul-Berghian, T Vasiu and C Birtok Baneasa <b>Speaker:</b> A Budiul-Berghian
Title: Study and model on economic application for cluster management within the North-West region of Romania  Authors: D Stoicovici, M Ungureanu, I Craciun and A Berdie  Speaker: D Stoicovici
Title: Order management empowering entrepreneurial partnerships in the context of new technologies  Authors: M Tămășilă, G Proștean and A Diaconescu  Speaker: A Diaconescu  Title: Prevention of mobbing  Author: V Rodic
Speaker: V Rodic

17:00-17:15 Coffee Break

Title: Neuromarketing: a tool for student selection by universities  Author: M C Benea  Speaker: M C Benea	
Title: The influence of the soil type on the reduction of pollution Author: M L Benea Speaker: M L Benea	
Title: Creating long-term relationship with consumers based on marketing promotion  Authors: S Milutinović and N Vojvodić  Speaker: N Vojvodić	
Title: Salvia officinalis used in pharmaceutics Authors: K L Lemle Speaker: K L Lemle	
Title: Highly-efficient reduced order modelling techniques for shallow water problems  Authors: D A Bistrian and I M Navon  Speaker: D A Bistrian	
Title: Determination of the performance of the Kaplan hydraulic turbines through simplified procedur Authors: I Pădureanu, M R Jurcu, V C Câmpian and C Hațiegan Speaker: I Pădureanu	re
Title: Unbalance influence on the rotating assembly dynamics of a hydro Authors: I Pădureanu, M R Jurcu, V C Câmpian and C Hațiegan Speaker: I Pădureanu	



### May 12, 2017

9:00-11:00	VIDEO-CONFERENCE Session (Room F0-1) Chairmen: Goran SIKANIC and Ionel MUSCALAGIU
	Title: Diagnosis diagrams for passing signals on an automatic block signaling railway section  Authors: E Spunei, I Piroi, C P Chioncel and F Piroi  Speaker: E Spunei
	Title: Truck circuits diagnosis for railway lines equipped with an automatic block signalling system  Authors: E Spunei, I Piroi, C Muscai, E Răduca and F Piroi  Speaker: E Spunei
	Title: Detecting road irregularities by image enhancements and thresholding  Authors: S Ivascu, I R Stanciu and R Vasiu  Speaker: S Ivascu
	Title: The importance of correct specification of tribological parameters in dynamical systems modelling Authors: S Alaci, F C Ciornei, I C Românu and M C Ciornei Speaker: I C Romanu
	Title: Identification of exponent from load-deformation relation for soft materials from impact tests  Authors: F C Ciornei, S Alaci, I C Românu, M C Ciornei and G Sopon  Speaker: I C Romanu
	Title: A comparative study of the A* heuristic search algorithm used to solve efficiently a puzzle game  Authors: A E Iordan  Speaker: A E Iordan
	Title: An efficient algorithm used to determine the intersection area of three circles  Authors: A E Iordan  Speaker: A E Iordan
	Title: Aspects regarding the capitalization of the powdery wastes in steelmaking Authors: E C Dragna, A Ioana and N Constantin Speaker: E C Dragna
	Title: Methods of steel manufacturing - The electric arc furnace Authors: E C Dragna, A Ioana and N Constantin Speaker: E C Dragna
	Title: Maintenance of reference standards in the field of viscosity Authors: E A Moşulică, I Cîrneanu, N Constantin and V Rucai Speaker: E A Mosulica
	Title: Steel refining possibilities in LF Authors: M G Dumitru, A Ioana, N Constantin, F Ciobanu and M Pollifroni Speaker: M G Dumitru
	Title: Studies and technological processes of developing a light weight delivery fuel tank form advanced composites materials for helicopters  Authors: I A Burlacu, C Puşcaşu and D O Dumitrașcu
	Speaker: I A Burlacu Title: The interbelic Germans from the Banat Highland. Coal, steel, mines and forges Authors: C Rudolf and D Micliuc
	Speaker: C Rudolf  Title: Industrial production of the interbelic German from the Banat Highland  Authors: C Rudolf and C Hatiegan  Speaker: C Rudolf
	Title: Landscaping solutions used for noise isolation Authors: D M Micliuc and G R Gillich Speaker: D M Micliuc

11:00 End of the Session

### May 12, 2017

11:00-15:00

### Excursion & Visits to:

### CORVIN CASTLE Hunedoara: The medieval fortress of Hunedoara and the most spectacular Gothic-style castle in Romania

This architectural monument dating from the fourteenth century is representative of medieval Gothic art in Europe. The uniqueness of the monument lies in Hunedoara high degree of representativeness for military architecture in South-Eastern Europe of the fifteenth century, he developed the elements that transform the castle of Hunedoara in a singular case, subsequent interventions are fifteenth century (construction of the seventeenth century, the restoration of the end of the nineteenth century and early twentieth century), which offers visitor a unique mixture of architectural elements belonging to the Renaissance, Baroque and Gothic styles.

### SC EUROSPORT DHS SA Deva: The manufacturer and distributor of bicycles

Specialized in both OEM and its own trademarks, the company produces a large variety of models to meet from the most basic needs of the casual bicycle rider or commuter to the specific high demands of semi-professionals. The company's continuing efforts managed to substantially re-popularize cycling in Romania, involving schools, media and government authorities to enrol in developing safety programs and free bicycle renting programs in major cities.

15:00 Lunch

18:00 End of the Conference



## International conference on Applied Sciences



INTERNATIONAL CONFERENCE on APPLIED SCIENCE – ICAS 2017 –

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