SEVENTH FRAMEWORK PROGRAMME THEME REGPOT-2011-1 Support actions

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Summary:

This deliverable contains the information on the set-up of the ACROSS web site and the project promotional materials – presentation, leaflet, poster and brochure. This deliverable also contains information on dissemination activities at international and domestic conferences and meetings.



Document history

Version	Date	Comments
v1.0	October 25, 2011	First Draft
v1.1	October 31, 2011	Sent to reviews
v1.2	December 20, 2011	Updated version
v1.3	March 30, 2012	Updated version
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v1.5	April 25, 2013	Updated version
v1.6	September 16, 2013	Sent to reviews
v1.7	September 20, 2013	Second annual release
v1.8	May 12, 2014	Updated version
v1.8	September 26, 2014	Sent to reviews
v1.9	September 30, 2014	Final release

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1. Project web site and promotional materials

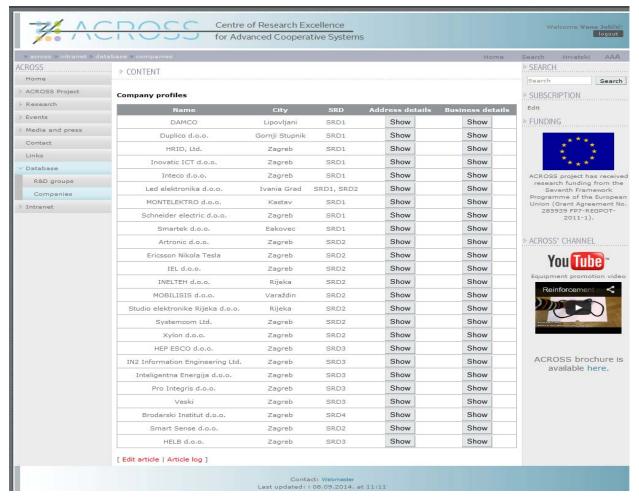
1.1 ACROSS web site

The project web site (http://across.fer.unizg.hr) was created and launched on October 25, 2011 and presented at the project kick-off meeting on November 8, 2011. The website is main communication channel to the public and the engineering and scientific community.



ACROSS web site upon its start in October 2011.

The web site contains project information, news, information on the laboratories involved in the R&D activities of the project, useful links and contacts. In particular, there is a database of the academic institutions and companies active in ACROSS related domains. The web site has both public and internal areas.



List of companies from Croatia active in ACROSS related domains.



Available information about companies.

The ACROSS web site is regularly updated with announcements and news, as well as project documents.

1.2 ACROSS logo

ACROSS logo was designed at the beginning of the project and various templates were created to guarantee a consistent project design in all dissemination activities. The design is consistent with the web page design http://across.fer.unizg.hr.

1.3 ACROSS YouTube Channel

To raise the awareness of the ACROSS activities we also set-up the ACROSS YouTube Channel (http://www.youtube.com/user/ACROSSProject) where we post video clips presenting major dissemination events and/or demonstrating experiments with acquired equipment. The most important available video clip is the one titled "Reinforcement of three laboratories at UNIZG-FER". In seven minutes, it demonstrates operation of newly acquired items of the equipment and present research domains they can be used for. This video clip was presented on November 21, 2012 to participants of the ACROSS equipment presentation event (WP4, Task 4.3).



YouTube video clip "Reinforcement of three laboratories at UNIZG-FER".

1.4 ACROSS leaflet

ACROSS leaflet was promoted at the project kick-off meeting on November 8, 2011. It contains general information on project goals, plans, organisation and relevant contacts. The leaflet is available via ACROSS web site (http://across.fer.hr/across/leaflets).

The leaflet is given in APPENDIX 1.

1.5 ACROSS poster

ACROSS poster was presented for the first time at UNIZG-FER's day on November 25, 2011. It contains general information on project goals, plans, organisation and relevant contacts. The poster is available via ACROSS web site (http://across.fer.hr/across/posters). The poster is given in APPENDIX 2.

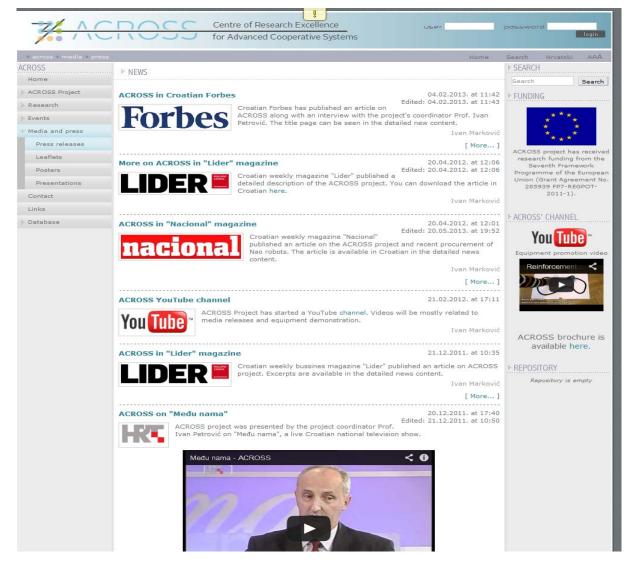
1.6 ACROSS brochure

ACROSS brochure (38 pages) was created and printed and for the first time presented and distributed to participants of ACROSS events held on November 21-22, 2012 (Steering Committee meeting, two dissemination workshops, Equipment presentation event, and 1st ACROSS Workshop on Cooperative Renewable Energy Systems). The second issue of the brochure (42 pages) was presented on ACROSS events held on Spetember 10-12, 2014 (Streering Committee meeting and International workshop on Advanced Cooperative Systems). The brochure is available via ACROSS web site (http://across.fer.unizg.hr/ download/repository/ACROSS brochure.pdf).

The brochure is given in APPENDIX 3.

1.7 ACROSS public presentations and media/press releases

ACROSS goals, activities and future benefits were regularly promoted in Croatian electronic media and press. The most important articles and videos are accessible through the ACROSS web site. The list of public presentations and media/press releases is given in Table 1.



Press releases section in ACROSS web site.

Table 1. List of ACROSS public presentations and media/press releases.

No.	Type of activities	Title	Date/Period	Place	Type of audience	Size of audience	Country addressed
1.	Interviews	An interview with ACROSS Coordinator about the ACROSS project (30 minutes)	20/09/2011	Croatian National Television – first program (HTV 1): Live TV show "Među nama" ("Among us")	Scientific community (higher education, Research) - Civil society - Medias	Unknown	Croatia
2.	Presentations	"Overview of the ACROSS project", ACROSS Coordinator (I. Petrović) & "ACROSS Regional Development Activities", ACROSS WP6 leader	13/10/2011	ARCA 2011 - 3rd Conference "COMPETITIVENESS THROUGH INNOVATION", NSK, Zagreb	Industry - Policy makers	80	Croatia
3.	TV clips	Brief information about the Kick-off meeting of the ACROSS with short statements of the ACROSS coordinator (I. Petrović) and ACROSS Steering Committee Chair (Prof. Danica Kragić, KTH Stockholm)	08/11/2011	Croatian National Television – first program (HTV 1): Evening news "Dnevnik 3"	Civil society - Medias	Unknown	Croatia
4.	Posters	Poster presentation of the ACROSS project at UNIZG- FER's day	25/11/2011	UNIZG-FER, Zagreb, Croatia	Scientific community (higher education, Research) - Industry - Policy makers	600	Croatia
5.	TV clips	Brief information about SYROCO 2012 symposium organized by ACROSS and the interview with the ACROSS coordinator (I. Petrović) about the perspective of robotics in Croatia and worldwide	07/09/2012	Croatian National Television – first program (HTV 1): Live TV show "Dobro jutro Hrvatska" ("Good morning Croatia"), under the heading "Scientific News"	Scientific community (higher education, Research) - Civil society	Unknown	Croatia
6.	TV clips	A feature story on the ACROSS project and on the presentation of the new research equipment with short interview with the ACROSS coordinator (I. Petrović)	22/11/2012	Croatian National Television – first program (HTV 1): TV show "Scientific News"	Scientific community (higher education, Research) - Civil society	Unknown	Croatia
7.	Interviews	Interview with the ACROSS Coordinator	07/12/2012	Croatian National Television – first	Civil society -	Unknown	Croatia

		on market potential of cooperative systems		program (HTV 1): Live TV live show "Dobro jutro Hrvatska" ("Good morning Croatia")	Medias		
8.	Articles published in the popular press	A short article on ACROSS project titled "Centar izvrsnosti na FER-u" (Centre of Excellence at FER)	01/12/2011	Croatian monthly business magazine "Lider - Tehnopolis"	Scientific community (higher education, Research) - Industry - Policy makers	6500	Croatia
9.	Articles published in the popular press	An article on the ACROSS project and Nao robots as well as about ACROSS industrial partners for robotics.	27/03/2012	Croatian weekly magazine "Nacional"	Civil society	25000	Croatia
10.	Articles published in the popular press	A 2-page article "Europska unija financira projekt ACROSS" (European Union funds ACROSS project)	02/04/2012	Croatian monthly business magazine "Lider - Tehnopolis"	Scientific community (higher education, Research) - Industry - Policy makers	6500	Croatia
11.	Presentations	Overview of the ACROSS project for Middle and High School Students and Teachers	02/10/2012	Workshop "Ideas and Technology of Control Systems", Dubrovnik	Civil society - Medias	60	Croatia
12.	Interviews	An article on the ACROSS project and interview with the ACROSS coordinator.	07/01/2013	Croatian Forbes magazine	Industry - Civil society - Policy makers	10000	Croatia
13.	Presentations	Croatian Experiences – Research, Development and Innovation in Industry and Clusters, ACROSS WP6 leader (V. Bilas)	18/04/2013	Ministry of Entrepreneurship and Crafts, Conference on Croatia Clusters for Innovation and Growth, Zagreb	Industry - Policy makers	xx	Croatia
14.	Presentations	Round table "Production returns home", ACROSS coordinator (I. Petrovic) was one of the panelists	26/04/2013	Microsoft Windays 2013, Umag Croatia	Industry - Policy makers	250	Croatia
15.	Exhibitions	Poster presentation of ACROSS project	23- 25/04/2013	10th International Symposium and Equipment Exhibition "Humanitarian Demining 2013", Šibenik, Croatia	Scientific community (higher education, Research) - Industry - Policy makers	250	Europe
16.	Articles published in the popular	ACROSS – The Centre of Research Excellence for	24/06/2013	The PARLIAMENT magazine, Issue 372 (devoted to Croatian	Policy makers - EU	5000	Europe

	press	Advanced		EU accession)	decision-		
		Cooperative Systems			makers, Civil society		
17.	Presentations	Panel session "Advanced Cooperative Systems – Research Challenges and Application Opportunities", panelists: I. Petrovic, S. Bogdan, Z. Kovačić, M. Baotić, V. Bilas (all from ACROSS)	03/07/2013	IEEE EUROCON 2013	Scientific community (higher education, Research)	320	Europe
18.	Presentations	Presentation of the ACROSS Centre at EDPE 2013	04/10/2013	The 6th joint Croatian-Slovak International Conference on Electrical Drives and Power Electronics, EDPE 2013, Dubrovnik	Scientific community (higher education, Research) - Industry	70	Middle Europe
19.	Exhibitions	ACROSS' Nao robots host aspiring young mathematicians	26/10/2013	RADDAR festival for young mathematicians, Zagreb	Civil society	80	Croatia
20.	Presentations	Presentation of the ACROSS project at the ATR Open day	08/11/2013	Advanced Telecommunications Research Institute International (ATR) in Kyoto, Japan	Scientific community (higher education, Research) - Industry	80	Japan
21.	TV clips	Diagnosing and treatment of Autism spectrum disorders by using ACROSS Nao robots as assistants	27/11/2013	Croatian National Television – first program (HTV 1): Live TV show "Hrvatska u živo" ("Croatia live")	Civil society	Unknown	Croatia
22.	Videos	Use of Nao robots for diagnosing autism	from 01/2014 to 02/2014	Major TV stations, web portals in Croatia, and several international media houses such as Euronews, Inventor Spot, Radio Free Europe and West have reported on this story	Civil society	Unknown	Europe
23.	Exhibitions	Poster presentations of ACROSS project and other FP7 projects in ACROSS Centre	10/02/2014	Horizon 2020 Launch Event, National and University Library, Zagreb	Scientific community (higher education, Research) - Industry - Policy makers	350	Croatia
24.	Exhibitions	Mobile robot for autonomous thermal mapping of the buildings	28- 29/05/2014	RIDE - Research and Education Infrastructure Dissemination Event, MIPRO 2014	Scientific community (higher education, Research) -	120	Croatia

				Convention, Opatija	Industry		
25.	Exhibitions	Several research groups from ACROSS presented their work to public in the Reaserchers' Night	26/09/2014	Avenue Mall, Zagreb	Civil society	120	Croatia

1.7.1 Reports from selected public presentations

1.7.1.1 ARCA International Innovation Exhibition and Innovations Leading to Competitiveness Conference

The 9th ARCA 2011 International Innovation Exhibition (http://www.arca.com.hr/en/) was held from 13 to 15 October 2011 at the National University Library in Zagreb. The related 2nd Conference on Innovations Leading to Competitiveness was held on 13 October 2011.

The ARCA Exhibition presented many innovations from Croatia and abroad (more than 100), focusing on innovations coming from the academic sector. The Conference had the following key topics:

- Environment for creativity and innovations,
- Academic education and economy,
- Innovations and entrepreneurship,
- Examples of good practice.

The ACROSS project coordinator professor Ivan Petrović gave presentation on the project goals, work plan and innovation potential of the R&D work in the field of the cooperative systems within session "Academic education and economy".

Within the same session, WP6 leader professor Vedran Bilas presented expected interaction of the project with the Croatian industry and general public, with focus on building new networks and partnerships in R&D and innovation commercialisation of the cooperative systems.

Both presentations are available via ACROSS web site (http://across.fer.hr/across/presentations).



Professor Ivan Petrović, ACROSS coordinator.



Professor Vedran Bilas, ACROSS WP6 leader.

1.7.1.2 International Conference "Clusters for Innovation and Growth in the Republic of Croatia"

International Conference "Clusters for Innovation and Growth in the Republic of Croatia" (http://www.razvoj-klastera.hr/en/news/international-conference-clusters-for-innovation-and-growth-in-the-republic-of-croatia-announced-1013/) was held in Zagreb on 18th April 2013 within the framework of the IPA IIIc project "Support to Clusters Development". The overall objective of the project is to enhance the competitiveness of the Croatian economy through improved quality and mechanisms of support available to investors and SMEs at national as well as regional level.

The Conference demonstrated recent progress in cluster development in Croatia and presented proposed policy initiatives. Key members of the cluster community discussed how better use of "clustering" by triple helix partners can contribute to the development of new enterprises, greater levels of technology, increased employment and the development of new export markets for Croatian products.

Professor Vedran Bilas, WP6 leader, presented UNIZG-FER interaction with industry and ACROSS's activities in the regional development with emphases on the research driven clusters.



Prof. Vedran Bilas, ACROSS WP6 leader.

1.7.1.3 Microsoft Windays 2013

On April 26, 2013, Professor Ivan Petrović, ACROSS coordinator, participated at Microsoft Windays 2013, in Umag, Croatia. Prof. Petrović was one of the panellists at the round table with the topic "Production returns home". The other panellists were general managers of several leading Croatian companies, SMEs and funding bodies. Prof. Petrović presented ACROSS Centre of Research Excellence as possible nucleus of future fruitful collaboration between academic community and industry in boosting new-technology based production in Croatia.



Prof. Ivan Petrović at Microsoft Windays 2013 round table.

1.7.1.4 10th International Symposium and Equipment Exhibition "Humanitarian Demining 2013"

Professor Vedran Bilas and assistant professor Darko Vasić presented ACROSS activities at the 10th International Symposium and Equipment Exhibition "Humanitarian Demining 2013" in Šibenik. Davorin Ambruš, ACROSS researcher from the AIG, presented paper "Developing Advanced Electromagnetic Induction Methods for Landmine Detection".



Prof. Vedran Bilas, ACROSS WP6 leader.



Davorin Ambruš, ACROSS researcher.

1.7.1.5 Humanitarian Robotics and Automation Technology Challenge (HRATC)

ACROSS Team (Ivan Petrović, Vedran Bilas, Marija Đakulović, Darko Vasić, Andrej Kitanov, Davorin Ambruš, Kruno Lenac, and Ivan Maurović) participated in HRATC 2104 (Humanitarian Robotics and Automation Technology Challenge) challenge, organized by IEEE-RAS from March to May 2014. (http://www2.isr.uc.pt/~embedded/events/HRATC2014/Welcome.html). Main goal of the challenge was to implement algorithms on a mobile robot that would allow it to autonomously explore areas suspected to have mines, detect those mines and separate them from other metal debrief and report their position. Based on application with general idea on how to solve the problem ACROSS team was chosen to participate in the challenge together with 13 other teams from all over the world. ACROSS team was one of the finalist and won the fourth place.



IEEE ROBOTICS AND AUTOMATION SOCIETY

Humanitarian Robotics

and Automation Technology Challenge - Finalist

IEEE International Conference on Robotics and Automation – ICRA 2014 31 May-7 June 2014 – Hong Kong

Team ACROSS

University of Zagreb, Croatia

Congratulations for qualifying as one of the finalists of HRATC'14 organized under the auspices of the IEEE Robotics and Automation Society's Special Interest Group on Humanitarian Technology (RAS-SIGHT)







Raj Madhavan Raj Madhavan RAS SIGHT Chair



1.7.1.6 The Parliament magazine

ACROSS was presented in the PARLIAMENT magazine, Issue 372, June 24, 2013, which was devoted to Croatian EU accession. The Parliament Magazine is published twice a month with a Readership of 4000 EU decision-makers such as all Members of the European Parliament in Brussels and the Commission. Additionally, the Parliament Magazine is digitally distributed to 50,000 subscribers in a newsletter form such as the public affairs subscribers from EPAD (European Public Affairs Directory), TheParliament.com bulletin subscribers (which include EU officials and Commission staff to public affairs consultants and journalists worldwide).



Article about ACROSS centre in the Parliament Magazine, Issue 372.

1.7.1.7 Researchers' Night

The European Researchers' Night is an event that is traditionally held every year on the last Friday in September in more than 300 cities all over the Europe. The main goal of this event is to present researchers' work to public in a fun and simple way in order to increase interest for science career among young people. In Croatia this year the European Researchers' Night was held in two major cities, Zagreb and Split. Professor Vedran Bilas (WP6 leader) was the scientific advisor of the event held in Zagreb. Several research groups from ACROSS Centre presented their research work and a lot of people visited ACROSS booth asking questions about our research activities. Also people from companies asked for contact in order to discuss about possible collaboration.



ACROSS booth at Researchers' Night in Zagreb.

1.8 Public database with Croatian companies active in ACROSS related domains

The database is created at the ACROSS website at http://across.fer.hr/across/intranet/database/. In order to assess the R&D&I capabilities as well as market potential of cooperative systems and technologies in Croatia, information was collected on a selected number of Croatian companies and R&D groups. The results for 25 companies are shown in Table 2. Those involved in R&D have the possibility to search for partners, exchange information about their own and possible joint R&D projects, exchange information about European RTD projects in ACROSS SRDs.

Table 2. List of companies included in the ACROSS database.

Company name	URL	SRDs	Technology areas of expertise
DAMCO	www.damco.hr	SRD1	Machine vision, robotics, microprocessors
Duplico d.o.o.	www.duplico.hr www.duplico.net www.duplico.biz	SRD1	Company Duplico d.o.o. has developed its own telemetry system using GPRS technology, enabling faster and more secure data transmission. Adding the design, production and execution of works in the domain of telemetry systems and automation systems opens a new development direction of the company. Specifically states that the development of remote control and monitoring odorisation gas station fully our product. In the area of energy efficiency, M2e solution is the right tool for all areas of successful energy management. In cooperation with Siemens, we develop our own SCADA applications for various activities.
HRID d.o.o.	www.hrid-ndt.hr	SRD1	Energetic objects, pipelines, pressure vessels,
Inovatic ICT d.o.o.	www.inovatic.hr	SRD1	Design of microelectronics devices and products, PCB design, Firmware design, software design, SMD and THT production
Inteco d.o.o.	www.inteco.hr	SRD1	Mobile robotics, autonomous guiding systems, hydrodynamic applications
Led elektronika d.o.o.	www.led-elektronika.hr	SRD1, SRD2	Solar power supplies, M2M embedded systems for sensor communication, embedded software, tracking, computer vision, web applications, databases
MONTELEKTRO d.o.o.	www.montelektro.hr	SRD1	Process automation for breweries, cement, steel, tobacco, pharmaceutical and other industries.
Schneider electric d.o.o.	www.schneider-electric.hr	SRD1	
Smartek d.o.o.	www.smartekvision.com	SRD1	CCD, CMOS image sensor integration, FPGA design, PCB design, camera

			capture PC software and drivers
	ununu artronia bri		AVL, GSM, GPS, remote acquisition,
Artronic d.o.o.	www.artronic.hr;	SRD2	embedded systems, data analysis,
	www.skytrack.net		process optimization (logistic)
			Development technologies (from
			proprietary languages to standard
			languages – Java, C, C++, C#, Perl,),
Ericsson Nikola Tesla	www.ericsson.hr	SRD2	testing and integration, proprietary
			frameworks and standard
			development frameworks
			Communications, Power Quality,
IEL d.o.o.		SRD2	Embedded Microcontrollers, DSP,
			FPGA
			Signaling equipment, level, pressure
INELTEH d.o.o.	www.inelteh.hr	SRD2	and temperature measurement,
	www.inel-mar.hr		Automation and safety equipment.
			Transport, Communication, Telecom,
MOBILISIS d.o.o.	www.mobilisis.hr	SRD2	Electronics, M2M
			Microprocessor & DSP systems,
			Software engineering,
			Windows/Web development,
Studio elektronike	www.ster.hr,	SRD2	Mobile-targeted development,
Rijeka d.o.o.	www.wamster.net	SINDZ	Networking and communication
			protocols, Measurement equipment
			and software, Industrial automation.
			Analogue/Mixed Signal/Digital ICs,
			Sensor Conditioning AFE Embedded
Systemcom d.o.o.	www.systemcom.hr	SRD2	and EDA (Electronic Design
			Automation) SW ORACLE
Xylon d.o.o.	www.logicbricks.com	SRD2	Xilinx SoC and FPGA
Aylon a.o.o.	www.iogicbricks.com	JND2	
			HVAC
HEP ESCO d.o.o.	www.bon.br/occo	CDD3	Energy and electrical equipment
HEP ESCO 0.0.0.	www.hep.hr/esco	SRD3	Building automation
			Smart metering
			RES
			The company is specialized in IS
			development, implementation and
			support of customized software
IN2 Information		0000	solutions, IN2 ready-made products,
Engineering Ltd.	www.in2.hr	SRD3	implementation of standard business
			solutions (ERP, CRM, EPM, DMS),
			integration, system support,
			implementation of solutions for
			integrated security and solutions for

			business continuity
			Cluster has knowledge, experience
			and quality in areas of hydro-energy
Inteligentna Energija	www.intoligantnaanaraiia.hr		(small hydro power plants) solar
d.o.o.	www.inteligentnaenergija.hr	SRD3	systems (PV and SWH) and energy
			efficiency as well as associated
			subsystems, facilities (switchyards)
			and communication
Pro Integris d.o.o.	www.prointegris.hr	SRD3	Substation Automation
TTO IIILEGITS U.O.O.	www.prointegris.iii	3003	IEC61850 based systems
Veski	www.veski.hr	SRD3	Vibration and mechanical
VESKI	www.veski.iii	3003	measurements
Brodarski Institut	www.hrbi.hr	SRD4	Control systems design
d.o.o.			Control of occurrence according
			Sensors, wireless sensor networks,
Smart Sense d.o.o.	www.smart-sense.hr	SRD2	low power design, power
Siliart Selise d.o.o.	www.sinare-sense.iii	SINDZ	management, information capture
			and analysis
			Production, installation, servicing,
HELB d.o.o.	www.helb.hr	SRD3	testing, and commissioning of
			electrical systems

1.9 Scientific peer reviewed publications

Scientific peer reviewed publications is an effective way to disseminate high level project information and to attract the interest of representatives of the various target groups. Publications in specialised journals, and papers sent to related events attract the attention of researchers as well as to give the opportunity to collaborate within the purposes of ACROSS. In order to support this activity, whenever possible, project publications are archived or linked on the ACROSS website. Table 3 provides a list of the publications in peer-reviewed journals published by the ACROSS Team members during the project execution. Table 3 provides a list of the publications in peer-reviewed journals, and Table 4 provides a list of papers published in peer-reviewed conference proceedings by the ACROSS Team members during the project execution. Table 4 includes only papers whose presentations at conferences were funded by the ACROSS project, while full list of papers of ACROSS Team members is available at ACROSS web site http://across.fer.hr/across/research/publications).

Table 3. List of published/accepted scientific publications in peer reviewed journals.

NO.	Title	Authors	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Year of publication	Relevant pages	Permanent identifiers ¹ (if available)	Is/Will open access ² provided to this publication?
1.	Feasibility Assessment of a Wind Power Plant with Insufficient Local Wind Data Using Cascade-Correlating Neural Network	Kuzle, Igor; Klarić, Mario; Pandžić, Hrvoje	Strojarstvo	53 (6), DECEMBER 2011	THE CROATIAN UNION OF MECHANICAL ENGINEERS AND NAVAL ARCHITECTS		2011	455-462	http://hrcak.src e.hr/index.php? show=clanak&i d_clanak_jezik= 126033	yes
117	Closed-Form Design of CIC Compensators Based on Maximally Flat Error Criterion	Molnar, Goran; Vučić, Mladen	IEEE Transactions on Circuits and Systems - II: Express Briefs	Volume 58, Issue 12	IEEE		2011	926-930	http://dx.doi.or g/10.1109/TCSII .2011.2172522	no
3.	Economic dispatch of virtual power plants in an	Sučić, Stjepan; Dragičević, Tomislav; Capuder, Tomislav; Delimar, Marko	•	Volume 81, Issue 12	Elsevier		2011	2108-2119	http://www.sci encedirect.com /science/article /pii/S03787796 11001957	yes
4.		Brkić, Karla; Pinz, Axel; Kalafatić, Zoran; Šegvić, Siniša	Lecture Notes in Computer Science	Volume 7585	Springer		2012	121-130	http://dx.doi.or g/10.1007/978- 3-642-33885- 4_13	no
5.	Signal Decomposition Methods for Reducing Drawbacks of the DWT	Sović, Ana; Damir Seršić.	Engineering review	Volume 32, Number 2 3 issues/year	University of	Rijeka, Croatia	2012	70-77		yes
6.		Tomic, Mladen; Loncaric, Sven; Seršić Damir	Biomedical Signal Processing and Control	Volume 7, Number 2	Elsevier		2012	173-179	http://dx.doi.or g/10.1016/j.bsp c.2011.02.003	yes
7.	Robust Adaptive Motion Control for Underwater Remotely Operated Vehicles with Velocity Constraints	Li, Z; Yang, C; Ding, N; Bogdan, Stjepan; Ge, T	International Journal of Control, Automation and Systems	Volume 10, Issue 2	Springer		2012	421-429	http://dx.doi.or g/10.1007/s125 55-012-0222-y	no
8.		wiikiic, Dariijaii, Bogaaii, Stjepaii;		Volume 18, Issue 2	Elsevier		2012	162-181	http://dx.doi.or g/10.3166/ejc.1 8.162-181	no

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¹ A permanent identifier should be a persistent link to the published version full text if open access or abstract if article is pay per view) or to the final manuscript accepted for publication (link to article in repository).

² Open Access is defined as free of charge access for anyone via the internet. Please answer "yes" if the open access to the publication is already established and also if the embargo period for open access is not yet over but you intend to establish open access afterwards.

NO.	Title	Authors	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Year of publication	Relevant pages	Permanent identifiers ¹ (if available)	Is/Will open access ² provided to this publication?
9.	Spincopter Wing Design and Flight Control	Orsag, Matko; Cesic, Josip; Haus, Tomislav; Bogdan, Stjepan	Journal of Intelligent & Robotic Systems	Volume 70, Issue 1	Springer		2012	165-179	http://dx.doi.or g/10.1007/s108 46-012-9725-2	no
10.	Collective search and decision making for target localization	Varga, Maja; Bogdan, Stjepan; Dragojević, Marija; Miklić, Damjan	Mathematical And Computer Modelling Of Dynamical Systems	Volume 18, Issue 1	Taylor Francis		2012	51-65	http://dx.doi.or g/10.1080/1387 3954.2011.6014 24	No
11.	Extending QoS support in the IP multimedia subsystem: Mobility-aware session reconfiguration	Dobrijević, Ognjen; Matijašević, Maja	Infocommunicatio ns Journal	Volume 4, Issue 2	The Scientific Association for Infocommunicatio ns (HTE)		2012	19-28	http://regi.hte. hu/GAK179ZZ3 56OW6TZ2345F 9O0554258E17 /InfocomJ2012 II komplett.pdf	yes
12.	Evolutionary Algorithm with Fuzzy Numbers for Planning Active Distribution Network	Capuder, Tomislav; Zidar, Matija; Škrlec, Davor	Electrical engineering	Volume 94, Issue 3	Springer		2012	135-145	http://link.sprin ger.com/article /10.1007%2Fs0 0202-011-0225- 3	no
13.	Scalable software architecture for distributed MMORPG traffic generation based on integration of UrBBaN-Gen and IMUNES	Vasić, Valter; Sužnjević, Mirko; Mikuc, Miljenko; Matijašević, Maja		Volume 8, Issue 4			2012	93-101	http://connecti on.ebscohost.c om/c/articles/8 7531093/scalab le-software- architecture- distributed- mmorpg-traffic- generation- based- integration- urbban-gen- imunes	no
14.	Active Suppression of Low-frequency Interference Currents by Implementation of the High-performance Control System for the Grid- interfaced Converters	I	Automatika	Volume 53, Issue 2	Korema - Croatian Society for Communication, Computing, Electronics, Measurement and Control		2012	199-214	https://automa tika.korema.hr/i ndex.php/auto matika/article/v iew/128	yes

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15.	Application of stochastic inversion to casing effect correction in through casing induction logging		IEEE transactions on instrumentation and measurement	Volume 61, Issue 5	IEEE		2012	1458-1465	http://ieeexplor e.ieee.org/stam p/stamp.jsp?ar number=61464 30	no
16.	Autotuning Power System Stabilizer based on Fuzzy Plant Model	Tečec Ribarić, Zlatka; Matuško, Jadranko; Petrović, Ivan	International Review of Electrical Engineering-IREE	Volume 7, Issue 4	Federico II University		2012	5068-5079	http://connecti on.ebscohost.c om/c/articles/8 4956657/autot uning-power- system- stabilizer- based-fuzzy- plant-model	no
17.	Complete coverage path planning of mobile robots for humanitarian demining	Đakulović, Marija; Petrović, Ivan	INDUSTRIAL ROBOT-AN INTERNATIONAL JOURNAL	Volume 39, Issue 5	Emerald Group Publishing		2012	484-493	http://www.em eraldinsight.co m/doi/abs/10.1 108/014399112 11249779	no
18.	Adaptive Spatio-Temporal Denoising of Fluoroscopic X-ray Sequences	Tomić, Mladen; Lončarić, Sven; Seršić, Damir	Biomedical Signal Processing and Control	Volume 7, Issue 2	Elsevier		2012	173-179	http://www.sci encedirect.com /science/article /pii/S17468094 11000085	no
19.	Detecting the Number of Components in a Nonstationary Signal Using the Renyi Eentropy of Its Time-Frequency Distributions	Korač, Dragan; Saulig, Nicoletta; Sučić, Viktor; Seršić, Damir	Engineering review	Volume 32, Issue 1	University of Rijeka		2012	23-31	http://hrcak.src e.hr/file/11677 0	yes
20.	Modeling of current mode controlled boost converter supplied by fuel cell suitable for controller design purposes		JOURNAL OF POWER SOURCES	Volume 198	Elsevier		2012	203-217	http://www.sci encedirect.com /science/article /pii/S03787753 11018507	no
21.	Image Registration and Atlas-based Segmentation of Cardiac Outflow Velocity Profiles	Kalinić, Hrvoje; Lončarić, Sven; Čikeš, Maja; Miličić, Davor; Bijnens, Bart		Volume 106, Issue 3	Elsevier		2012	188-200	http://www.nc bi.nlm.nih.gov/ pubmed/21156 328	no
22.	LU60645GT and MA132843GT catalogues of Lunar and Martian impact craters developed using a Crater Shape-based interpolation crater detection algorithm for topography data	Salamunićcar, Goran; Lončarić, Sven; Mazarico, Erwan.	Planetary and space science	Volume 60, issue 1	Elsevier		2012	236-247	http://www.sci encedirect.com /science/article /pii/S00320633	no

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23.	Test-field for evaluation of laboratory craters using a Crater Shape-based interpolation crater detection algorithm and comparison with Martian and Lunar impact craters	Damir; Gomerčić, Mladen;	,	Volume 71, Issue 1	Elsevier		2012	106-118	http://www.sci encedirect.com /science/article /pii/S00320633 12002152	No
24.	Segmentation and labeling of face images for electronic documents	Subašić, Marko; Lončarić, Sven; Heđi, Adam.	Expert systems with applications	Volume 39, Issue 5	Elsevier		2012	5134-5143	http://www.sci encedirect.com /science/article /pii/S09574174 11015703	yes
25.	Yearly Maintenance Scheduling of Transmission Lines within a Market Environment	Pandžić, Hrvoje; Conejo, Antonio J.; Kuzle, Igor; Caro, Eduardo	IEEE transactions on power systems	Volume 27	IEEE		2012	407 - 415	http://ieeexplor e.ieee.org/xpls/ abs_all.jsp?arnu mber=5951824	no
26.	Differencing sea bass (Dicentrarchus labrax) fillets frozen in different conditions by impedance measurements	Vidaček, Sanja; Janči, Tibor; Brdek, Zdenka; Udovičić, Doris; Marušić, Nives; Medić, Helga; Petrak, Tomislav; Lacković, Igor	journal of food	Volume 47, Issue 8	Wiley		2012	1757-1764	http://onlinelib rary.wiley.com/ doi/10.1111/j.1 365- 2621.2012.0303 1.x/abstract;jse ssionid=581AF9 1F2A4D95B024 9A1DFCEAC6B7 45.f03t04	no
27.	Using self-organizing maps in the visualization and analysis of forest inventory	Klobučar, Damir; Subašić Marko	iForest	Volume 5	Italian Society of Silviculture and Forest Ecology		2012	216-223	http://www.sis ef.it/iforest/con tents/?id=ifor0 629-005	yes
28.	Dispatch Method for Independently Owned Hydropower Plants in the Same River Flow	Rajšl, Ivan; Ilak, Perica; Delimar, Marko; Krajcar, Slavko	Energies	Volume 5, Issue 9	MDPI		2012	3674-3690	http://www.md pi.com/1996- 1073/5/9/3674	yes
29.	An Improved MRAS Based Sensorless Vector Control Method for Wind Power Generator	Dumnić, Boris; Katić, Vladimir; Vasic, V; Miličević, D; Delimar, Marko	, , ,	Volume 10, Issue 5	Universidad Nacional Autonoma de Mexico		2012	687-697	http://www.rev istas.unam.mx/i ndex.php/jart/a rticle/view/406 40	yes
30.	Aircraft noise-monitoring according to ISO	Asensio, Cesar; Ausejo, Miguel;	Applied acustics	Volume 73,	Elsevier		2012	1-11	http://www.sci	yes

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	20906: Evaluation of uncertainty derived from the human factors affecting event detection	Jambrošić, Kristian; Kang, Jian; Mosccioni, Giovanni; Pagán, Raul; Pavón, Ignacio; Romeu, Jordi; Trujillo, J.A.; Vigano, Giacomo; Ruiz, Mariano; Recuero, Manuel		Issue 1					encedirect.com /science/article /pii/S0003682X 11001617	
31.	Noise barriers with varying cross-section optimized by genetic algorithms	Grubeša, Sanja; Jambrošić, Kristian; Domitrović, Hrvoje	Applied acoustics	Volume 73, Issue 11	Elsevier		2012	1129-1137	http://www.sci encedirect.com /science/article /pii/S0003682X 12001259	yes
32.	Sound Quality Evaluation of Hand-Held Power Tools	Horvat, Marko; Domitrović, Hrvoje; Jambrošić, Kristian	Acta acustica united with acustica	Volume 98, Issue 3	S. Hirzel Verlag		2012	487-504	http://dx.doi.or g/10.3813/AAA. 918532	no
33.	Top-k/w publish/subscribe : A publish/subscribe model for continuous top-k processing over data streams	Driniizic Krocimir Dadnar Zarka	Information systems	Volume 39	Elsevier		2012	256-276	http://www.sci encedirect.com /science/article /pii/S03064379 1200049X	no
34.	Stator Current Spectrum Signature of a Healthy Cage Rotor Induction Machines	Joksimović, Gojko; Riger, Jakša; Wolbank, Thomas; Perić, Nedjeljko; Vašak, Mario		Volume 60, Issue 9			2013	4025-4033	http://ieeexplor e.ieee.org/xpls/ abs_all.jsp?arnu mber=6399591	no
35.	Point-Wise Adaptive Wavelet Transform for Signal Denoising	Tomić, Mladen; Seršić, Damir	Informatica	Volume 24, Number 4 4 issues/year	Vilnius University Institute of Mathematics and Informatics	Vilnius, Lithuania	2013	637-656		yes
36.	Fault-tolerant Control of a Wind Turbine with a Squirrel-cage Induction Generator and Rotor Bar Defects	1	Automatika	4 issues/year	KoREMA		2013	316-328	http://dx.doi.or g/10.7305/auto matika.54- 3.189	yes
37.	Fault-tolerant Control of a Wind Turbine with Generator Stator Inter-turn Faults	Vinko Lešić; Mario Vašak; Nedjeljko Perić; Gojko Joksimović; Thomas Wolbank	Automatika	4 issues/year	KoREMA		2013	89-102	http://dx.doi.or g/10.7305/auto matika.54- 1.325	yes
38.	On Motion Optimization of Robotic Manipulators with Strong Nonlinear Dynamic Coupling Using Support Area Level Set Algorithm		, ,	Volume 11, Issue 6	Springer		2013	1266-1275	http://dx.doi.or g/10.1007/s125 55-011-9212-8	no

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39.	An Overview of Online Charging in 3GPP networks: New Ways of Utilizing User, Network, and Service Related Information	Grgić, Tomislav; Matijašević, Maja	International Journal of Network Management	Volume 3, Issue 2.	Wiley		2013	81-101	http://onlinelib rary.wiley.com/ doi/10.1002/ne m.1816/abstrac t	no
40.	Context-Adaptive Multimodal Wireless Sensor Network for Energy-Efficient Gas Monitoring	Jelicic, Vana; Magno, Michele; Brunelli, Davide; Paci, Giacomo; Benini, Luca	IEEE Sensors Journal	Volume 13, Issue 1	IEEE		2013	328-338	http://ieeexplor e.ieee.org/xpl/a rticleDetails.jsp ?arnumber=628 7540	no
41.	Player Behavior and Traffic Characterization for MMORPGs: A Survey	Sužnjević, Mirko; Matijašević, Maja	Multimedia systems	Volume 19, Issue 3	Springer		2013	199-220	http://link.sprin ger.com/article /10.1007%2Fs0 0530-012-0270- 4	no
42.	A model and software architecture for MMORPG traffic generation based on player behavior	Sužnjević, Mirko; Stupar, Ivana; Matijašević, Maja	Multimedia systems	Volume 19, Issue 3	Springer		2013	231-253	http://link.sprin ger.com/article /10.1007%2Fs0 0530-012-0269- X	no
43.	Active induction balance method for metal detector sensing head utilizing transmitter-bucking and dual current source	Ambruš, Davorin; Vasić, Darko; Bilas, Vedran	Journal of Physics: Conference Series	-	IOP Science		2013	1-6	http://iopscienc e.iop.org/1742- 6596/450/1/01 2047	yes
44.	From single point of measurement to distributed sensing in long-term glacier monitoring	Cesarini, Daniel; Jelicic, Vana; Bilas, Vedran; Avvenuti, Marco	Journal of Physics: Conference Series	-	IOP Science		2013	1-6	http://iopscienc e.iop.org/1742- 6596/450/1/01 2050	yes
45.	Analytical modelling of soil effects on electromagnetic induction sensor for humanitarian demining	Vasić, Darko; Ambruš, Davorin; Bilas, Vedran	Journal of Physics: Conference Series		IOP Science		2013	1-6	http://iopscienc e.iop.org/1742- 6596/450/1/01 2052	yes
46.	Automated Aerial Suspended Cargo Delivery through Reinforcement Learning	Faust, Aleksandra; Palunko, Ivana; Cruz, Patricio; Fierro, Rafael; Tapia, Lydia	Artificial Intelligence	-	Elsevier		2013	Accepted		No
47.	Partial Mutual Information Based Input Variable	Marković, Ivan; Jurić-Kavelj,	Applied soft	Volume 13,	Elsevier		2013	4383–4391	http://www.sci	no

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	Selection for Supervised Learning Approaches to Voice Activity Detection	Srećko; Petrović, Ivan	computing	Issue 11					encedirect.com /science/article /pii/S15684946 13002020	
48.	Dynamical optimal positioning of a photovoltaic panel in all weather conditions	Gulin, Marko; Vašak, Mario; Perić, Nedjeljko	Applied energy	Volume 108	Elsevier		2013	429-438	http://www.sci encedirect.com /science/article /pii/S03062619 1300192X	yes
49.	Scaled Experimental Verification of Single-Well Induction Conductivity Measurement Through Nonmagnetic Casing		IEEE transactions on instrumentation and measurement	Volume 62, Issue 5	IEEE		2013	1199-1206	http://ieeexplor e.ieee.org/stam p/stamp.jsp?ar number=64223 90	no
50.	Simplified averaged models of DC-DC power converters suitable for controller design and microgrid simulation	Pavlović, Tomislav; Bjažić, Toni; Ban, Željko	IEEE transactions on power electronics	Volume 28, Issue 7	IEEE		2013	3266-3275	http://ieeexplor e.ieee.org/xpl/a rticleDetails.jsp ?arnumber=633 1014	no
51.	State Variables Estimation of Fuel Cell - Boost Converter System Using Fast Output Sampling Method	Bjažić, Toni; Ban, Željko; Perić, Nedjeljko	Automatika	Volume 54, Issue 2	Korema - Croatian Society for Communication, Computing, Electronics, Measurement and Control		2013	155-165	https://automa tika.korema.hr/i ndex.php/auto matika/article/v iew/165	yes
52.	Adaptive control of peak current mode controlled boost converter supplied by fuel cell	Bjažić, Toni; Ban, Željko; Perić, Nedjeljko	Journal of Power Electronics	Volume 13, Issue 1	The Korean institute of power electronics		2013	122-138	http://www.jpe .or.kr/archives/ view articles.as p?seq=712	yes
53.	Light Random Sprays Retinex: Exploiting the Noisy Illumination Estimation. //. 20 (2013) , 12;	Banić, Nikola; Lončarić, Sven	IEEE signal processing letters	Volume 20, Issue 12	IEEE		2013	1240-1243	http://ieeexplor e.ieee.org/xpl/a rticleDetails.jsp ?arnumber=664 6324	no
54.	Absolute joint moments: a novel image similarity measure	Kalinić, Hrvoje; Lončarić, Sven; Bijnens, Bart	EURASIP Journal on Image and Video Processing		Springer	_	2013	1-11	http://link.sprin ger.com/article /10.1186%2F16	yes

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55.	Specifics of integration of wind power plants into the Croatian transmission network	Capuder, Tomislav; Pandžić, Hrvoje; Kuzle, Igor; Škrlec, Davor.	Applied energy	Volume 101	Elsevier		2013	142-150	http://www.sci encedirect.com /science/article /pii/S03062619 12003509	yes
56.	An EPEC Approach to the Yearly Maintenance Scheduling of Generating Units	Pandžić, Hrvoje; Conejo, Antonio; Kuzle, Igor.	IEEE transactions on power systems		IEEE		2013	922-930	http://ieeexplor e.ieee.org/xpl/a rticleDetails.jsp ?arnumber=633 9030	no
57.	Virtual power plant mid-term dispatch optimization	Pandžić, Hrvoje; Kuzle, Igor; Capuder, Tomislav	Applied energy	Volume 101	Elsevier		2013	134-141	http://www.sci encedirect.com /science/article /pii/S03062619 12004126	yes
58.	Offering model for a virtual power plant based on stochastic programming	Pandžić, Hrvoje; Morales, Juan M.; Conejo, Antonio J.; Kuzle, Igor	Applied energy	Volume 105	Elsevier		2013	282-292	http://www.sci encedirect.com /science/article /pii/S03062619 13000044	yes
59.	Modeling of electric field distribution in tissues during electroporation	Corović, Selma; Lackovic, Igor; Sustaric, Primoz; Sustar, Tomaz; Rodic Tomaz; Miklavcic, Damijan	engineering	Volume 12, Issue 16	BioMed Central		2013	1-27	http://www.bio medical- engineering- online.com/con tent/12/1/16	yes
60.	Distributed generation allocation based on average daily load and power production curves	Prenc, Rene; Škrlec, Davor; Komen, Vitomir	International journal of electrical power & energy systems	Volume 53			2013	612-622	http://www.sci encedirect.com /science/article /pii/S01420615 13002391	yes
61.	A novel load flow algorithm for radial distribution networks with dispersed generation	1	Tehnički vjesnik – Technical Gazette	-	Josip Juraj Strossmayer University of Osijek		2013	969-977	http://hrcak.src e.hr/file/16573 9	yes
62.	Assessment of urban soundscapes with the	Jambrošić, Kristian; Horvat,	The Journal of the	Volume 134,	AIP publishing		2013	869-879	http://scitation.	no

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	focus on an architectural installation with musical features	Marko; Domitrović, Hrvoje	Acoustical Society of America	Issue 1					aip.org/content /asa/journal/jas a/134/1/10.112 1/1.4807805	
63.	Exploiting Temporal and Spatial Constraints in Traffic Sign Detection from a Moving Vehicle	Šegvić, Siniša; Brkić, Karla; Kalafatić, Zoran; Pinz, Axel	Machine Vision and Applications	Volume 25, Issue 3	Springer		2014	649-665	http://dx.doi.or g/10.1007/s001 38-011-0396-y	no
64.	Restoration of soft x-ray laser images of nanostructures	Seršić, Damir; Sović, Ana; Menoni, Carmen S.	Optics express	Volume 22, Number 11, 24 issues/year	Optical Society of America		2014	13846-13859	http://dx.doi.or g/10.1364/OE.2 2.013846	yes
65.	Efficient Least Absolute Deviation Adaptive Wavelet Filter Bank	Sović, Ana; Seršić, Damir.	IEEE transactions on signal processing	Volume 62, Number 14 24 issues/year	IEEE	USA	2014	3631-3642	10.1109/TSP.20 14.2328978	no
66.	Control of 3D Tower Crane Based on Tensor Product Model Transformation with Neural Friction Compensation	Jadranko Matuško; Šandor Ileš; Fetah Kolonić; Vinko Lešić	Asian Journal of Control	6 issues/year	Wiley		2014	Accepted	http://dx.doi.or g/10.1002/asjc. 986	no
67.	Visual Target Localization with the Spincopter	Haus, Tomislav; Orsag, Matko; Bogdan, Stjepan	Journal of intelligent & robotic systems	Volume 74, Issue 1	Springer		2014	45-57	http://dx.doi.or g/10.1007/s108 46-013-9908-5	no
68.	Hybrid Adaptive Control for Aerial Manipulation	Orsag, Matko; Korpela, Christopher; Bogdan, Stjepan; Oh, Paul	Journal of intelligent & robotic systems	Volume 73, Issue 1	Springer		2014	696-707	http://dx.doi.or g/10.1007/s108 46-013-9936-1	no
69.	Entropy-stable and entropy-dissipative approximations of a fourth-order quantum diffusion equation	Bukal, Mario; Emmrich, Etienne, Jüngel, Ansgar	Numerische Mathematik	Volume 127, Issue 2	Springer		2014	365-396	http://dx.doi.or g/10.1007/s002 11-013-0588-7	no
70.	Eye pupil localization with an ensemble of randomized trees	Markuš, Nenad; Frljak, Miroslav; Pandžić, Igor S.; Ahlberg, Jörgen; Forchheimer, Robert	Pattern Recognition	Volume 47, Issue 2	Elsevier Ltd		2014	578–587	http://dx.doi.or g/10.1016/j.pat cog.2013.08.00 8	no
71.	Towards Evaluating the Quality of Experience of Remote Patient Monitoring Services: A Study Considering Usability Aspects	Skorin-Kapov, Lea; Dobrijević, Ognjen; Piplica, Domagoj	Journal of Mobile Human Computer Interaction		IGI Global		2014	Accepted	http://www.fer. unizg.hr/images /50008067/IJM HCI14- Towards Evalu ating QoE of R PM Services.pd f	no

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72.	Q-POINT: QoE-Driven Path Optimization Model for Multimedia Services	Dobrijević, Ognjen; Kassler, Andreas; Skorin-Kapov, Lea; Matijašević, Maja	Lecture Notes in Computer Science	Volume 8458	Springer		2014	Accepted	http://www.fer. unizg.hr/images /50008067/W WIC14 Q- POINT.pdf	no
73.	Bayesian Sensor Fusion Methods for Dynamic Object Tracking - A Comparative Study	Marković Ivan: Petrović, Ivan	Automatika - Journal for Control, Measurement, Electronics, Computing and Communications	4 issues/year	Korema - Croatian Society for Communication, Computing, Electronics, Measurement and Control		2014	Accepted		yes
74.	Real-time Approximation of Clothoids with Bounded Error for Path Planning Applications	Brezak, Mišel; Petrović, Ivan	IEEE Transactions on Robotics	Volume 30, Issue 2	IEEE		2014	507-515	http://dx.doi.or g/10.1109/TRO. 2013.2283928	no
75.	Composite distance based approach to von Mises mixture reduction	Bukal, Mario; Marković, Ivan; Petrović, Ivan	Information Fusion	Volume 20	Elsevier Ltd		2014	136-145	http://dx.doi.or g/10.1016/j.inff us.2014.01.003	no
76.	Place recognition based on matching of planar surfaces and line segments		International journal of robotics research	14 issues/year	SAGE		2014	Accepted	http://dx.doi.or g/10.1177/0278 364914548708	no
77.	A mobile robot based system for fully automated thermal 3D mapping	Maurović, Ivan; Petrović, Ivan;	Advanced engineering informatics	4 issues/year	ELSEVIER		2014	Accepted	http://dx.doi.or g/10.1016/j.aei. 2014.06.002	no
78.	Implicit Observation Model for Vision Aided Inertial Navigation of Aerial Vehicles Using Single Camera Vector Observations	Sazdovski, Vasko; Kitanov, Andrej; Petrović, Ivan	Aerospace science and technology	8 issues/year	ELSEVIER		2014	Accepted		no
79.	Hands-On Laboratory Course for Future Power System Experts	Kuzle, Igor; Havelka, Juraj; Pandžić, Hrvoje; Capuder, Tomislav	IEEE Transactions on Power Systems		IEEE		2014	1963-1971	http://dx.doi.or g/10.1109/TPW RS.2013.229597 8	no
80.	The suitability of internal combustion engine sounds as artificial warning sounds for electric and hybrid vehicles		Promet – Traffic & Transportation	Volume 26, Issue 4	University of Zagreb, Faculty of Transport and Traffic Sciences	Zagreb, Croatia	2014	271-280	http://dx.doi.or g/10.7307/ptt.v 26i4.1453	yes
81.	Bernoulli Low-Pass Filters	Molnar, Goran; Vučić, Mladen	IEEE Transactions on Circuits and Systems - II:	Volume 61, Issue 2	IEEE		2014	85-89	http://dx.doi.or g/10.1109/TCSII .2013.2291103	no

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82.	Trust-Based Self-Organizing Network Control	Haus, Tomislav; Palunko, Ivana; Tolić, Domagoj; Bogdan, Stjepan; Lewis, Frank L.; Mikulski, Dariusz G.	let control theory and applications, Special Issue: Recent developments in networked control and estimation	Accepted	IET		2014	1751-8644	Accepted	no
83.	Dissecting the protocol and network traffic of the OnLive cloud gaming platform	Manzano, Marc; Urueña, Manuel; Suznjevic Mirko; Calle, Eusebi; Hernández, José Alberto; Matijasevic, Maja		Volume 20, Issue 5	Springer			451-470	http://link.sprin ger.com/article /10.1007%2Fs0 0530-014-0370- 4	No
84.	Bernoulli Lowpass Filters	Molnar, Goran; Vučić, Mladen	IEEE Transactions on Circuits and Systems - II: Express Briefs	Volume 61, Issue 2	IEEE		2014	85-89	http://ieeexplor e.ieee.org/stam p/stamp.jsp?ar number=66829 98	no
85.	Analyzing the effect of TCP and server population on massively multiplayer games	Suznjevic, Mirko; Saldana, Jose; Matijasevic, Maja; Fernández- Navajas, Julián; Ruiz-Mas, José	International Journal of Computer Games Technology	Volume 2014	Hindawi		2014	1-17	http://dx.doi.or g/10.1155/2014 /602403	yes
86.	User Behavior Detection Based on Statistical Traffic Analysis for Thin Client Services	Suznjevic, Mirko; Skorin-Kapov, Lea; Humar, Iztok	Advances in Intelligent Systems and Computing, Springer	Volume 276	Springer		2014	247-256	http://link.sprin ger.com/chapte r/10.1007/978- 3-319-05948- 8 24	no
87.	Input-Output Triggered Control using Lp- Stability over Finite Horizons	Tolić, D, R.G. Sanfelice and R. Fierro	International Journal of Robust and Nonlinear Control		Wiley		2014	Accepted		no
88.	Stochastic Model Predictive Control for Building HVAC Systems: Complexity and Conservatism	Ma, Yudong; Matuško, Jadranko; Borrelli, Francesco.	IEEE transactions on control systems technology	Volume PP, Issue 99	IEEE		2014	1 page	http://ieeexplor e.ieee.org/stam p/stamp.jsp?tp =&arnumber=6 802411	no

NO.	Title	Authors	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Year of publication	Relevant pages	Permanent identifiers ¹ (if available)	Is/Will open access ² provided to this publication?
89.	Multiplierless Implementation of Digital Colored Noise Generator.	Vučić, Mladen; Butorac, Marko	Automatika	Volume 55, Issue 2	Korema - Croatian Society for Communication, Computing, Electronics, Measurement and Control		2014	133-142	http://hrcak.src e.hr/file/18629 8	yes
	Benefits of Wake-up Radio in Energy-Efficient Multimodal Surveillance Wireless Sensor Network.		IEEE Sensors Journal	Volume 14, Issue 9	IEEE		2014	3210-3220.	http://ieeexplor e.ieee.org/stam p/stamp.jsp?ar number=68212 75	no
91.	Cooperative Distributed Model Predictive Control for Wind Farms.	'	Optimal control applications & methods.		Wiley		2014	Accepted		no
92.	Wind tunnel testing of scaled wind turbine models: Beyond aerodynamics	Bottasso, Carlo L.; Campagnolo, Filippo; Petrović, Vlaho	Journal of Wind Engineering and Industrial Aerodynamics	Volume 127	Elsevier		2014	11-18	http://dx.doi.or g/10.1016/j.jwe ia.2014.01.009	no
93.	New Energy Planning Software for Analysis of Island Energy Systems and Microgrid Operations — H2RES Software as a Tool to 100% Renewable Energy System	Gašparović, Goran; Krajačić,	Computer Aided Chemical Engineering	Volume 33	Elsevier		2014	1855-1860		no
94.	Detection of Partially Fallen-Out Magnetic Slot Wedges in Inverter Fed AC Machines at Lower Load Conditions	1		Volume 50, Issue 2	IEEE		2014	1161-1167	http://ieeexplor e.ieee.org/xpl/a rticleDetails.jsp ?arnumber=657 3372	no
95.	Real-Time 3D Position Reconstruction Of Guidewire For Monoplane X-Ray	Petković, Tomislav; Homan, Robert; Lončarić, Sven	Computerized medical imaging and graphics	Volume 38, Issue 3	Elsevier		2014	211-223	http://www.sci encedirect.com /science/article /pii/S08956111 13002036	no
96.	Hybrid method for crater detection based on topography reconstruction from optical images and the new LU78287GT catalogue of Lunar impact craters	Sven; Grumpe, Arne; Woehler,	Advances in Space Research	Volume 53, Issue 12	Elsevier		2014	1783-1797	http://www.sci encedirect.com /science/article /pii/S02731177 1300402X	no

NO.	Title	Authors	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Year of publication	Relevant pages	Permanent identifiers ¹ (if available)	Is/Will open access ² provided to this publication?
97.	Integrated method for crater detection from topography and optical images and the new PH9224GT catalogue of Phobos impact craters.	Sven; Pina, Pedro; Bandeira,	Advances in Space Research.	Volume 53, Issue 12	Elsevier		2014	1798-1809	http://www.sci encedirect.com /science/article /pii/S02731177 1300690X	no
98.	Capacity Optimization of Renewable Energy Sources and Battery Storage in an Autonomous Telecommunication Facility	Guerrero, Josep IVI.; Kirschen,	IEEE Transactions on Sustainable Energy	Volume 5, Issue 4	IEEE		2014	Accepted	http://ieeexplor e.ieee.org/xpl/a rticleDetails.jsp ?arnumber=681 0894	no
99.	AENEAS: An Energy-Aware Simulator of Automatic Weather Stations	Cesarini, Daniel; Cassano, Luca; Kuri, Marijan; Bilas, Vedran; Avvenuti, Marco	leee sensors journal	Volume 14, Issue 1	IEEE		2014	1-12	http://ieeexplor e.ieee.org/xpl/a bstractKeyword s.jsp?reload=tru e&arnumber=6 897925	no
100.	Low-Power Wearable Respiratory Sound Sensing	Oletić, Dinko; Arsenali, Bruno; Bilas, Vedran	Sensors	Volume 14, Issue 4	MDPI		2014	6535-6566	http://www.nc bi.nlm.nih.gov/ pmc/articles/P MC4029681/	yes
101	Dynamic Hybrid Model for Short-Term Electricity Price Forecasting	Cerjan, Marin; Matijaš, Marin; Delimar, Marko	Energies	Volume 7, Issue 5	MDPI		2014	3304-3318	http://www.md pi.com/1996- 1073/7/5/3304	yes
102.	Pricing Energy and Ancillary Services in a Day- Ahead Market for a Price-Taker Hydro Generating Company Using a Risk-Constrained Approach	Ilak, Perica; Krajcar, Slavko; Rajšl,	Energies	Volume 7, Issue 4	MDPI		2014	2317-2342	http://www.md pi.com/1996- 1073/7/4/2317	yes
103.	Tuning Machine Learning Algorithms for Content-Based Movie Recommendation	Brbić, Maria; Podnar Žarko, Ivana	Intelligent Decision Technologies: An International Journal		IOS Press		2014	Accepted		
104.	Time and Space Efficient Sliding Window Top-k Query Processing	Pripužić, Krešimir; Podnar Žarko, Ivana; Aberer Karl	ACM transactions on database systems		ACM		2014	Accepted		

Table 4. List of published/accepted scientific publications in peer reviewed conference proceedings

NO.	Title	Authors	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Year of publication	Relevant pages	Permanent identifiers ³ (if available)	Is/Will open access ⁴ provided to this publication?
1	A System for Vehicle Surround View	Heđi, Adam; Lončarić, Sven	10th IFAC Symposium on Robot Control	Volume 10, Part 1	IFAC	Dubrovnik	2012	120-125	DOI 10.3182/2012 0905-3-HR- 2030.00193	No
2	High-performance face tracking	Markuš, Nenad; Frljak, Miroslav; Pandžić, Igor Sunday; Ahlberg, Jörgen; Forchheimer, Robert	FAA '12 Proceedings of the 3rd Symposium on Facial Analysis and Animation	20-21 September 2012	ACM	Vienna	2012	1-1	DOI 10.1145/2491 599.2491600	No
3	Longitudinal Spacing Control of Vehicles in a Platoon for Stable and Increased Traffic Flow	Petrinić, Toni; Petrović, Ivan	Control Applications (CCA), 2012 IEEE International Conference on	3-5 Oct. 2012	IEEE	Dubrovnik	2012	178-183	DOI 10.1109/CCA. 2012.6402468	No
4	Towards Space-Time Semantics in Two Frames	Brkić, Karla; Pinz, Axel; Kalafatić, Zoran; Šegvić, Siniša	Computer Vision - ECCV 2012. Workshops and Demonstrations	LNCS 7585	Springer Berlin Heidelberg	Florence	2012	121-130	DOI 10.1007/978- 3-642-33885- 4_1	No
5	Bearing-Only tracking with a Mixture of von Mises Distributions	Marković, Ivan; Petrović, Ivan	Intelligent Robots and Systems (IROS), 2012 IEEE/RSJ International Conference on	7-12 Oct. 2012	IEEE	Vilamoura	2012	707-712	DOI 10.1109/IROS. 2012.6385600	ll II
6	Explicit model predictive control for reduction of wind turbine structural loads	Spudić, Vedrana; Jelavić, Mate; Baotić, Mato	Decision and Control (CDC), 2012 IEEE 51st Annual Conference on	10-13 Dec. 2012	IEEE	Maui, HI	2012	1721-1726	DOI 10.1109/CDC. 2012.6426490	No
7	Wind turbine control beyond the cut out wind speed	Jelavić, Mate; Petrović, Vlaho; Barišić, Mario; Ivanović, Ivana	Proceedings of the European Wind Energy Association Annual Event, EWEA 2013	4-7 February 2013	EWEA	Vienna	2013			No

³ A permanent identifier should be a persistent link to the published version full text if open access or abstract if article is pay per view) or to the final manuscript accepted for publication (link to article in repository).

⁴ Open Access is defined as free of charge access for anyone via the internet. Please answer "yes" if the open access to the publication is already established and also if the embargo period for open access is not yet over but you intend to establish open access afterwards.

NO.	Title	Authors	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Year of publication	Relevant pages	Permanent identifiers ³ (if available)	Is/Will open access ⁴ provided to this publication?
8	Developing advanced electromagnetic induction methods for landmine detection	Ambruš, Davornin; Vasić, Darko; Bilas, Vedran	Book of papers International symposium "Humanitarian demining"	ISSN 1848- 9206	HCR-CTRO	Zagreb	2013	9-13		No
	A Reinforcement Learning Approach towards Autonomous Suspended Load Manipulation Using Aerial Robots	Palunko, Ivana; Faust, Aleksandra; Cruz, Patricio; Tapia, Lydia; Fierro, Rafael	Robotics and Automation (ICRA), 2013 IEEE International Conference on	6-10 May 2013	IEEE	Karlsruhe	2013	4896-4901	DOI 10.1109/ICRA. 2013.6631276	No
11	Analysis of player's in-game performance vs rating: Case study of Heroes of Newerth	Caplar, Neven; Sužnjević, Mirko; Matijašević, Maja	Proceedings of the 8th International Conference on the Foundations of Digital Games (FDG 2013)	14-17 May 2013	SASDG	Chania	2013	237-244	http://www.f dg2013.org/p rogram/paper s/paper31_ca plar_etal.pdf	Yes
12	A Leader-Follower Approach to Formation Control of Multiple Non-Holonomic Mobile Robots	Petrinić, Toni; Petrović, Ivan	Information & Communication Technology Electronics & Microelectronics (MIPRO), 2013 36th International Convention on	20-24 May 2013	IEEE	Opatija	2013	931-935		No
13	Stability control in aerial manipulation	Orsag, Matko; Korpela, Christopher; Pekala, Miles; Oh, Paul	American Control Conference (ACC), 2013	17-19 June 2013	IEEE	Washington, DC	2013	5581-5586	DOI 10.1109/ACC. 2013.6580711	No
1.1	Decentralized Output Synchronization of Heterogeneous Linear Systems with Fixed and Switching Topology via Self-Triggered Communication	Tolić, Domagoj; Fierro, Rafael	American Control Conference (ACC), 2013	17-19 June 2013	IEEE	Washington, DC	2013	4648-4653	DOI 10.1109/ACC. 2013.6580556	No
	Fast Coordinated Model Predictive Control of Large-Scale Distributed Systems with Single Coupling Constraint	Spudić, Vedrana; Baotić, Mato	Control Conference (ECC), 2013 European	17-19 July 2013	IEEE	Zurich	2013	2783-2788		No
16	Optimal Flux Magnitude Tracking with Application to Fault-tolerant Control of Wind Turbine Generators	Lešić, Vinko; Vašak, Mario; Perić, Nedjeljko; Joksimović, Gojko; Wolbank, Thomas M.	Control Conference (ECC), 2013 European	17-19 July 2013	IEEE	Zurich	2013	466-471		No

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17	Experimental validation of wind turbine higher harmonic control using shaft loads measurements	Petrović, Vlaho; Campagnolo, Filippo	Control Conference (ECC), 2013 European	17-19 July 2013	IEEE	Zurich	2013	472-477		No
18	A robust separable image denoising based on relative intersection of confidence intervals rule	Seršić, Damir; Sović, Ana	Image and Signal Processing and Analysis (ISPA), 2013 8th International Symposium on	4-6 Sept. 2013	IEEE	Trieste	2013	89-93	DOI 10.1109/ISPA. 2013.6703720	No
19	Inertial aided sensor platform stabilization on multirotor aerial vehicles	Cvišić, Igor; Petrović, Ivan	Proceedings of RAAD 2013 22nd International Workshop on Robotics in Alpe-Adria-Danube Region	11-13 Sept. 2013	Jožef Stefan Institute	Ljubljana	2013	72-79		No
20	Learning control for positionally controlled manipulators	Domagoj Herceg; Dana Kulić	Proceedings of RAAD 2013 22nd International Workshop on Robotics in Alpe-Adria-Danube Region	11-13 Sept. 2013	Jožef Stefan Institute	Ljubljana	2013	17-24		No
	Minimum startup delay approach to coordination of multiple mobile robots motion along predefined paths	Petrinić, Toni; Brezak, Mišel; Petrović, Ivan	Proceedings of RAAD 2013 22nd International Workshop on Robotics in Alpe-Adria-Danube Region	11-13 Sept. 2013	Jožef Stefan Institute	Ljubljana	2013	370-375		No
	Concept of an intrabody networked brain-computer interface controlled assistive robotic system	Jerbić, Ana Branka; Lučev Vasić, Željka; Jurić- Kavelj, Srećko; Melinščak, Filip; Lončar, Josip; Štogl, Denis; Cifrek, Mario; Petrović, Ivan	Proceedings of RAAD 2013 22nd International Workshop on Robotics in Alpe-Adria-Danube Region	11-13 Sept. 2013	Jožef Stefan Institute	Ljubljana	2013			No
	Active induction balance method for metal detector sensing head utilizing transmitter-bucking and dual current source		Journal of Physics: Conference Series Volume 450 Number 1	Vol. 450 No. 1 ; 16-18 September 2013	IOP Science	Dubrovnik	2013		DOI 10.1088/1742 - 6596/450/1/0 12047	Yes

NO.	Title	Authors	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Year of publication	Relevant pages	Permanent identifiers ³ (if available)	Is/Will open access ⁴ provided to this publication?
24	Enhancing performance of wireless sensor networks in glacial environments using wake-up receivers		Journal of Physics: Conference Series Volume 450 Number 1	Vol. 450 No. 1 ; 16-18 September 2013	IOP Science	Dubrovnik	2013		DOI 10.1088/1742 - 6596/450/1/0 12045	Yes
25	From single point of measurement to distributed sensing in long-term glacier monitoring	Cesarini, Daniel; Jeličić, Vana; Bilas, Vedran; Avvenuti, Marco	Journal of Physics: Conference Series Volume 450 Number 1	Vol. 450 No. 1 ; 16-18 September 2013	IOP Science	Dubrovnik	2013		DOI 10.1088/1742 - 6596/450/1/0 12050	Yes
26	An Improvement of Incremental Conductance MPPT Algorithm for PV Systems Based on the Nelder-Mead Optimization	Pavlović, Tomislav; Ban, Željko	17th International Conference on Electrical Drives and Power Electronics, EDPE 2013 (CD Proceedings)	2-4 October 2013	KoREMA	Zagreb	2013	328-333		No
27	Efficient Navigation for Anyshape Holonomic Mobile Robots in Dynamic Environments	Đakulović, Marija; Sprunk, Christoph; Spinello, Luciano; Petrović, Ivan; Burgard, Wolfram	Intelligent Robots and Systems (IROS), 2013 IEEE/RSJ International Conference on	3-7 Nov. 2013	IEEE	Tokyo	2013	2644-2649	DOI 10.1109/IROS. 2013.6696729	No
28	Active Speaker Localization with Circular Likelihoods and Bootstrap Filtering	Marković, Ivan; Portello, Alban; Danès, Patrick; Petrović, Ivan; Argentieri, Sylvain	Intelligent Robots and Systems (IROS), 2013 IEEE/RSJ International Conference on	3-7 Nov. 2013	IEEE	Tokyo	2013	2914-2920	DOI 10.1109/IROS. 2013.6696769	No
29	Efficient Navigation for Anyshape Holonomic Mobile Robots in Dynamic Environments	Đakulović, Marija; Sprunk, Christoph; Spinello, Luciano; Petrović, Ivan; Burgard, Wolfram	Intelligent Robots and Systems (IROS), 2013 IEEE/RSJ International Conference on	3-7 Nov. 2013	IEEE	Tokyo	2013	2644-2649	DOI 10.1109/IROS. 2013.6696729	No
30		Sužnjević, Mirko; Skorin-Kapov, Lea; Matijašević, Maja	Network and Systems Support for Games (NetGames), 2013 12th Annual Workshop on	3-10 Dec. 2013	IEEE	Denver, CO, USA	2013		DOI 10.1109/NetG ames.2013.68 20606	No
	Lp-Stability with Respect to Sets Applied Towards Self-Triggered Communication for Single-Integrator Consensus		Decision and Control (CDC), 2013 IEEE 52nd Annual Conference on	10-13 Dec. 2013	IEEE	Firenze	2013	3409-3414	DOI 10.1109/CDC. 2013.6760405	No
III.	Simple linear inversion of soil electromagnetic properties from analytical model of electromagnetic induction sensor	Vasić, Darko; Ambruš, Davorin; Bilas, Vedran	Sensors Applications Symposium (SAS), 2014 IEEE	18-20 Feb. 2014	IEEE	Queenstown	2014	15-19	DOI 10.1109/SAS. 2014.6798908	No

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33	Acoustical evaluation of five public spaces in Dubrovnik	Horvat, Marko; Jambrošić, Kristian; Domitrović, Hrvoje; Petošić, Antonio	Fortschritte der Akustik - DAGA 2014 40. Deutsche Jahrestagung für Akustik	10-13 Mar. 2014	DAGA	Oldenburg	2014	824-825		No
34	Fault-tolerant Control of Permanent Magnet Synchronous Generator in Wind Turbines	Lešić, Vinko; Vašak, Mario; Stojčić, Goran; Wolbank, Thomas M.	Proceedings of the European Wind Energy Association Annual Event, EWEA 2014	10-13 Mar. 2014	EWEA	Barcelona	2014			No
35	Temporal Ensemble of Shape Functions	Brkić, Karla; Aldoma, Aitor, Vincze, Markus; Šegvić, Siniša; Kalafatić, Zoran	Eurographics Workshop on 3D Object Retrieval	6 April 2014	Eurographics	Goslar	2014	53-60	DOI 10.2312/3dor. 20141050	No
36	Influence of Wind Turbine Generator Fault-tolerant Control on Power Production Quality	Lešić, Vinko; Vašak, Mario; Perić, Nedjeljko; Jakopović, Željko; Joksimović, Gojko; Wolbank, Thomas M.	Power Electronics, Machines and Drives (PEMD 2014), 7th IET International Conference on	8-10 April 2014	IET	Manchester	2014	1-6	DOI 10.1049/cp.2 014.0480	No
37	Consensus-based Decentralized Resource Sharing between Co-located Wireless Sensor Networks	Jeličić, Vana; Tolić, Domagoj; Bilas, Vedran	Intelligent Sensors, Sensor Networks and Information Processing (ISSNIP), 2014 IEEE Ninth International Conference on	21-24 April 2014	IEEE	Singapore	2014	1-6	DOI 10.1109/ISSNI P.2014.68276 62	No
38	Upgrading Metal Detection to Metallic Target Characterization in Humanitarian Demining	Ambruš, Davorin; Vasić, Darko; Bilas, Vedran	Mine Action 2014, 11th International Symposium and Equipment Exhibition		HCR-CTRO	Zagreb	2014	123-126		No
39	Assessment of Room Size and Position of the Listener by Normal Sighted Persons Based on Acoustic Response of the Room		ATF 2014 - 3rd Conference on Building Physics and Applied Technology in Architecture and Building Structures	6-7 May 2014		Vienna	2014			No

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40	Acoustical Suitability of Historic Spaces as Venues for Modern-Day Events	Jambrošić, Kristian; Horvat, Marko; Domitrović, Hrvoje; Petošić, Antonio	ATF 2014 - 3rd Conference on Building Physics and Applied Technology in Architecture and Building Structures	6-7 May 2014		Vienna	2014			No
41	Using Gradient Orientation to Improve Least Squares Line Fitting	Petković, Tomislav; Lončarić, Sven	Computer and Robot Vision (CRV), 2014 Canadian Conference on	6-9 May 2014	IEEE	Montreal, QC	2014	226-231	DOI 10.1109/CRV. 2014.38	No
42	Performance Evaluation of IEEE 802.15.4 and 802.11 Protocols for Image Transmission in WSNs	Šnajder, Boris; Jeličić, Vana; Bilas, Vedran	European Wireless 2014; 20th European Wireless Conference; Proceedings of	14-16 May 2014	VDE	Barcelona, Spain	2014	530-535		No
43	Automatic recognition of handwritten corrections for multiple-choice exam answer sheets	Čupić, Marko; Brkić, Karla; Hrkać, Tomislav; Mihajlović, Željka; Kalafatić, Zoran	Information and Communication Technology, Electronics and Microelectronics (MIPRO), 2014 37th International Convention on	26-30 May 2014	IEEE	Opatija	2014	1136-1141	DOI 10.1109/MIPR O.2014.68597 39	
44	Moving object detection, tracking and following using an omnidirectional camera on a mobile robot	Marković, Ivan; Chaumette, François; Petrović, Ivan	Robotics and Automation (ICRA), 2014 IEEE International Conference on	31 May - 7 June 2014	IEEE	Hong Kong	2014	5630-5635		No
45	Real-time predictive control of 3D tower crane	lleš, Šandor; Matuško, Jadranko; Kolonić, Fetah	Industrial Electronics (ISIE), 2014 IEEE 23rd International Symposium on	1-4 June 2014	IEEE	Istanbul	2014	224-230	DOI 10.1109/ISIE. 2014.6864615	No
46	Image Representations on a Budget: Traffic Scene Classification in a Restricted Bandwidth Scenario	Sikirić, Ivan; Brkić, Karla; Šegvić, Siniša	Intelligent Vehicles Symposium Proceedings, 2014 IEEE	8-11 June 2014	IEEE	Dearborn, MI	2014	845-852	DOI 10.1109/IVS.2 014.6856569	No
47	Estimation of Guidewire Inclination Angle for 3D Reconstruction	Petković, Tomislav; Lončarić, Sven	5th International Conference on the Development of Biomedical Engineering		National Universities HCMC	Ho Chi Minh City	2014	147-150		No
	Stabilizing Transmission Intervals and Delays for Linear Time-Varying Control Systems: The Large Delay Case	Tolić, Domagoj; Hirche, Sandra	Proceedings of Mediterranean Conference on Control and Automation			Palermo	2014	686-691		No

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49	Direction-only tracking of moving objects on the unit sphere via probabilistic data association	Ćesić, Josip; Petrović Ivan	Information Fusion (FUSION), 2014 17th International Conference on	7-10 July 2014	IEEE	Salamanca	2014			No
50	Towards understanding the relationship between game type and network traffic for cloud gaming	Sužnjević, Mirko; Bayer, Justus; Skorin-Kapov, Lea; Möller, Sebastian; Šorša, Nikola	Multimedia and Expo Workshops (ICMEW), 2014 IEEE International Conference on	14-18 July 2014	IEEE	Chengdu, China	2014		DOI 10.1109/ICME W.2014.6890 690	No
51	Fast Active SLAM for Accurate and Complete Coverage Mapping of Unknown Environments	Lenac, Kruno; Kitanov, Andrej; Maurović, Ivan; Đakulović, Marija; Petrović, Ivan	Proceedings of the 13th International Conference IAS-13	15-19 July 2014	Springer	Padova, Italy	2014			No
52	Tracking of multiple moving objects on the unit sphere using a multiple-camera system on a mobile robot	Ćesić, Josip; Marković, Ivan; Petrović, Ivan	Proceedings of the 13th International Conference IAS-13	15-19 July 2014	Springer	Padova, Italy	2014			No
53	Autonomous Exploration of Large Unknown Indoor Environments for Dense 3D Model Building	Maurović, Ivan; Đakulović, Marija; Petrović, Ivan	The 19th World Congress of the International Federation of Automatic Control	24-29 August 2014	IFAC	Cape Town	2014	10188-10193		No
54	Weighted Ensemble Based Automatic Detection of Exudates in Fundus Photographs	Prentašić, Pavle; Lončarić, Sven	Proceedings of the 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society	25 August - 1 September 2014	IEEE	Chicago	2014	138-141		No
55	Voting Based Automatic Exudate Detection in Color Fundus Photographs	Prentašić, Pavle; Lončarić, Sven	EUSIPCO 2014 22nd European Signal Processing Conference	1-5 September 2014	Eurasip	Lisbon, Portugal	2014		http://www.e urasip.org/Pr oceedings/Eus ipco/Eusipco2 014/HTML/pa pers/1569924 997.pdf	Yes
56	Noise robust local phase coherence based method for image sharpness assessment	Sersić, Damir;	EUSIPCO 2014 22nd European Signal Processing Conference	1-5 September 2014	Eurasip	Lisbon, Portugal	2014		http://www.e urasip.org/Pr oceedings/Eus ipco/Eusipco2 014/HTML/pa pers/1569925 495.pdf	Yes

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57	Fault-tolerant Control of Wound Rotor Synchronous Generator in Wind Turbines	Lešić, Vinko; Vašak, Mario; Stojčić, Goran; Wolbank, Thomas M.	Proceedings of the International Conference on Electrical Machines	2-5 September 2014	VDE	Berlin	2014	1752-1758		No
58	Perception of room size and the ability of self localization in a virtual environment. Loudspeaker experiment	Horvat, Marko; Jambrošić, Kristian; Domitrović, Hrvoje; Francetić, Juraj; Rychtarikova, Monika; Chmelik, Vojtech	Proceedings of Forum Acusticum 2014.		Polish Acoustical Society	Krakow	2014			No
59	Modelling Periodic Motion for Background Subtraction in X-Ray Imaging	Petković, Tomislav; Lončarić, Sven	6th European Conference of the International Federation for Medical and Biological Engineering	7-11 September 2014	Springer International Publishing	Dubrovnik	2014	252-255	DOI 10.1007/978- 3-319-11128- 5_63	No
60			Intelligent Robots and Systems (IROS), 2013 IEEE/RSJ International Conference on	14-18 September 2014	IEEE	Chicago	2014			No
61	Model Predictive Control for Scheduling of Flexible Microgrid Systems	Kuzle, Igor; Holjevac, Ninoslav; Capuder, Tomislav	Proceedings of 9th Conference on Sustainable Development of Energy, Water and Environment Systems	20-27 September 2014	SEDEWS	Venice-Istanbul	2014			No
62	Convex AC Optimal Power Flow Method for Definition of Size and Location of Battery Storage Systems in the Distribution Grid	Zidar, Matija; Capuder, Tomislav; Georgilakis, Pavlos; Škrlec, Davor	Proceedings of 9th Conference on Sustainable Development of Energy, Water and Environment Systems	20-27 September 2014	SEDEWS	Venice-Istanbul	2014			No
63	Model Identification of a Photovoltaic System for a DC Microgrid Simulation	Gulin, Marko; Vašak, Mario; Pavlović, Tomislav	Proceedings of the 16th International Power Electronics and Motion Control Conference and Exposition	21-24 September 2014		Antalya, Turkey	2014	501-506		No

NO.	Title	Authors	Title of the periodical or the series	Number, date or frequency	Publisher	Place of publication	Year of publication	Relevant pages	Permanent identifiers ³ (if available)	Is/Will open access ⁴ provided to this publication?
64	Nonlinear Predictive Control of a Tower Crane using Reference Shaping Approach	Bariša, Tin; Bartulović Mihovil; Žužić Goran; Ileš, Šandor; Matuško, Jadranko; Kolonić, Fetah	Proceedings of the 16th International Power Electronics and Motion Control Conference and Exposition	21-24 September 2014		Antalya, Turkey	2014	1041-1045		No
65	Control Of Safety Critical Heavy Industrial Applications	Slutej, Alojz; Kolonić, Fetah; Matuško, Jadranko; Ileš, Šandor	Proceedings of the 16th International Power Electronics and Motion Control Conference and Exposition	21-24 September 2014		Antalya, Turkey	2014	1144-1148		No
66	Control of Induction Machine based on	Lešić, Vinko; Vašak, Mario; Stojčić, Goran; Wolbank, Thomas M.	Proceedings of the 16th International Power Electronics and Motion Control Conference and Exposition	21-24 September 2014		Antalya, Turkey	2014	1002-1007		No

APPENDIX 1: ACROSS leaflet

crossproject is implemented by the Faculty of Electrical Engineering and Computing of the University of Zagreb in cooperation with the following cu and Croation partners:

Kingliga Technical Engisedan, Stockholm - Sweden - Prof Dan ca Kragle

Albert-Ludwigs-Universität Freiburg - Germany - Prof Wolfann Burgard

Locknische Universität Wien - Austria - Prof Marques Vilicze



- Icchnische Universität Wich - Aussna - Prof. Mandaus Vincze - Icchnical University of Crete, Chania - Greece - Prof. Nikos Tuouwer oudis - Islas Ajnas Inconnes - I rance - Islas Ajnas Inconnes - I rance - Prof. François Charimette - Book Nec Ltd., Zagreb - Crootis - Zoran Bošković - Isrikoping Inconversity, Linkoping University, Linkoping - Sweden - Prof. Robert Forchheimer

University of Manchester - United Kingdom - Prof Anthony Peyton

I amore University of Hechnology - Finand - Prof Anthony Society - Finand - Prof Antans Gothey

Kariklad University - Sweden - Prof Antansa - I Kerelan

Prof. Andreas J. Kassler

- Ericsson Nikola Tesla Inc - Croatia - Dr. Darko I Uglenič - University of Seville - Spain - Prof F Gluardo E. Camacho - Politicancio di Milano - Italy - Prof. Carlo L. Bottasso - National Technical University of Athens - Greece

NOTIONAL PUBLISHED PROF. Mikes Hatziangyriou
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 Ern Zunch - Switzerland - Prof. Manfred Moran
 Technische Universität München - Germany

Prof. Sandra Hirche
Indhoven University of Technology - Netherlands

Prof Paul van den Bosch

ACROSS PROJECT TEAM

The Across project team consists of twenty seven professors from seven unizg=FER's departments with required multi-disciplinary R&D expertises:

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 War Petrovic, Nedjeljko Peric, Zdenko Kovačć,
 Stjepar Bogdan, Željko Ban, Mato Baotić and
Mario Vašak

Mano vasak

Department of Electronic Systems and
Information Processing

Swen Londorfic, Maden Vulic, Vedran Bilas,
Donor Petrinović, Carnir Seršić, Igor Lacković and
Marko Suha šić

Department of Electronics, Microelectronics, Computer and Intelligent Systems Bojana Dalbelo Bašić, Zoran Kalafatić and Sinika Segwić

Department of Telecommunications
 Maja Matijašević and Igor S. Fandžić

Department of Electric Machines, Drives and Automation

I etah Kolonić and Jadranko Matuško

••• Department of Power Systems.
• Davor Škriec, Zdenko Šimić, Igor Kuzle and

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 Hr voje Domitrović and Kristian Ja

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Centre of Research Excellence for Advanced Cooperative Systems

ACECSS project has received funding from the Soventh Framework Programme of the European Union (Grant Agreement No. 28503) PPJ-RESPOT-2011-1).





ACROSS GLOBAL OBJECTIVE

The Achoss projectaims to unlock and strengthen research potential of the Faculty of Electrical Engineering and Computing at the University of Zagreb (NIZS-FEB) for the benefit of the national, as well as the regional and EU community with the global objective to create a Centre of Research Excellence for Advanced Cooperative Systems within UNIVS-FFR. The Centre will be at the forefront of research and excelopment of novel methodologies and advanced engineering approachs for competative systems in general and villact as a point of contact between cademia and Industry, providing an Infrastructure for identific exchange in the area of cooperative systems related to robotics, networked embodied systems and renewable energy systems.

ACROSS SUB-OBJECTIVES

Α

- The Across global objective is to be achieved by occurrion of the main sub-objectives:
 --- streng thening the research management potential;
- ··· increasing the human potential;
- increasing the technology potentia;
 developing the strategic partnerships with outstanding research centres in Fu and leading Creation industrial partners;
- ••• increasing scientific visibility and international reputation;
- ••• improving responses to socio-economic needs of Croatia;

ACROSS FUNDING & DURATION

project budget • 3,755,660,00 € ex contribution • 3,351,776,00 € duration • 1,10,2011 – 31,03,2015

ACROSS WORK PLAN

The across work plan implements a coherent set of measures for execution of the project main sub-objectives:

- · recruitment of a project manager:
- recruitment of 19 researchers:
 upgrading research equipment and establishing three new interdepartmental laboratories;
- ••• exchange of know-how and experience with 16 loading Eu centres and 3 Creation industrial partners;
- --- organisation of workshops and conferences;
- ••• ex-post evaluation of research potential by 4 independent experts chosen by the Ec.

ACROSS STRATEGIC RESEARCH DOMAINS

The research activities of the Centre focus on four major strategic research domains:

- cooperative cognitive and robotic systems;
 cooperative networked embedded systems,
- · · · cooperative renewable energy systems; · · · cooperative control methods

While the first three strategic research domains are application oriented, the fourth strategic research domain is of paramount importance for advanced cooperative systems in general, as a

fundamental enabling technology.

Possible applications of these advanced cooperative systems are numerous; advanced flexible manufacturing, renewable and sustainable energy, home and office automation, transport, logistics, environmental monitoring, healthcare, security and surveillance, human augmentation etc.

ACROSS EXPECTED IMPACTS

It is expected that the project will reinforce onace—here are protectful, mobilise its human and material recourse, develop partmenthip with outstanding our research returns and local industry, disseminate and promote research results and raise awareness among various stakeholders in the area of cooperative systems.

More specifically, the expected impacts of the ACROSS project are:

-- better integration of the UNIZG-FER in the better integration of the unixx-ear in the European Research Area. Strategic partnership will be built by utilising strong expertise of the EU experts and partnering research organisations involved in across through intensive exchange of know how.

··· increased RTD capacity and capability as well as the quality of research carried out at the UNIZG-FER. The RID capacity and capability as well as the overall quality of research will be significantly upgraded by:

- reinfording human potential and research infrastructure,
- improving research management and
 unifying the ATD activities at UNIZG FER in the domains relevant for ACROSS.
- ·· increased contribution to Croatian economic increases contribution to croatian economic and social development. Access will have strong impact on Croatian committee and social develop-ment by offering information and services to all intercised stakeholders (see goops, crud-user community, large industry and SMFs, governmental bodies) and general public.
- ••• improvement of participation of the UNIZG-FER in EU-level projects. Across will create a stimulating environment for all involved entities from the Eu and Croatia for future multilateral collaboration at Eu level.

APPENDIX 2: ACROSS poster



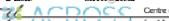
ACROSS – Centre of Research Excellence for Advanced Cooperative Systems





1. Project Fact Sheet

• Total budget: 3.755.660,00 €
• EC contribution: 3.351.776,00 €
• Duration: 1.10.2011 - 31.03.2015
• URL: http://across.fet.umizg.hr
• E-mail: across@fer.hr



Centre of Research Excellence for Advanced Cooperative Systems

2. Global Objective

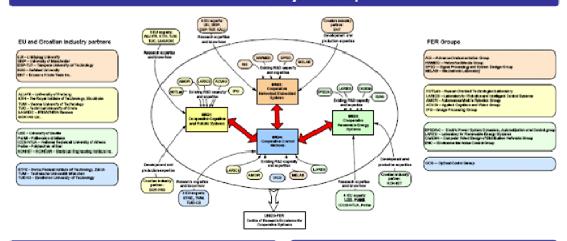
The ACROSS project aims to unlock and strengthen research potential of the Faculty of Electrical Engineering and Computing at the University of Zagreb (UNIZG-FER) for the benefit of national and EU community. The Global Objective is to create a Centre of Research Excellence for Advanced Cooperative Systems within UNIZG-FER.

The Centre will be at the forefront of research and development of novel methodologies and advanced engineering approaches for cooperative systems. It will act as a point of contact between academia and industry, providing an infrastructure for scientific exchange in the area of cooperative systems related to robotics, networked embedded systems and renewable energy systems.

5. Expected Impacts

- Better integration of the UNIZG-FER in the European Research Area. Strategic partnership will be built by utilising strong expertise of the FU experts and partnering research organisations involved in ACROSS through intensive exchange of know-how.
- •Increased RTD capacity and capability as well as the quality of research carried out at the UNIZG-FER. The RTD capacity and capability as well as the overall quality of research will be significantly upgraded by: (i) reinforcing human potential and research infrastructure, (ii) improving research management and (ii) unifying the RTD activities at UNIZG-FER in the domains relevant for ACROSS.
- Increased contribution to Croatian economic and social development. ACROSS will have strong impact on Croatian economic and social development by offering information and services to all interested stakeholders (R&D groups, end-user community, large industry and SMEs, governmental bodies) and general public.
- Increased participation of the UNIZG-FER in EU-level projects.
 ACROSS will create a stimulating environment for all involved entities from the EU and Croatia for future multilateral collaboration at EU level.

3. ACROSS Project Concept



4. Work Plan

The ACROSS Work Plan implements a coherent set of measures for execution of the project's global objectives:

- Recruitment of a project manager;
- Recruitment of 18 researchers;
- Upgrading research equipment and establishing three new interdepartmental laboratories;
- Exchange of know-how and experience with 16 leading EU centres and 3 Croatian industrial partners;
- · Organisation of workshops and conferences;
- Intensive dissemination and promotional activities;
- Ex-post evaluation of research potential by 4 independent experts chosen by the EC.

6. Strategic Research Domains

The research activities of the Centre focus on four major Strategic Research Domains:

- · Cooperative Cognitive and Robotic Systems;
- · Cooperative Networked Embedded Systems
- · Cooperative Renewable Energy Systems;
- Cooperative Control Methods.

Possible applications of these advanced cooperative systems are numerous: advanced flexible manufacturing, renewable and sustainable energy, home and office automation, transport, logistics, environmental monitoring, healthcare, security and surveillance, human augmentation etc.

APPENDIX 3: ACROSS brochure (front page)

