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CITY College
An International
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The University.

South-East
European
Research Centre.



Annual Report 2012.

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1 RESEARCH @ SEERC

1.1 Research Projects Update

Three new externally funded projects were approved for funding and kick started in 2012. Another six projects were successfully completed.

1.1.1 New Awards

Broker@Cloud: Enabling Continuous Quality Assurance and Optimization in Future Enterprise Cloud Service Brokers. The goal is to provide future cloud intermediaries with advanced means of monitoring both the obligations of each cloud service provider towards consumers (as well as towards the intermediary itself), and the opportunities for optimising the services each consumer receives.

ISCOM: Intelligent System in Supply Chain Monitoring and Optimization. The project aims to investigate, access and implement specialized methodologies and expert system technologies in order to support the production, supply chain and demand management of the highly sensitive products of food industry with a pilot to SMEs in the patisserie business.

ICT-KOSEU: supporting Dialogue and Cooperation between Europe and Kosovo (under UNSCR 1244) in Collaborative ICT R&D. ICT-KOSEU aims at supporting Kosovo's efforts for inclusion to the European Research Area by strengthening its capacity to participate to FP7 ICT research and by facilitating its ICT researchers' collaboration with researchers in the EU. The main elements of the project are: the implementation of a thorough ICT Technology Audit and an open consultation process that will lead to identification of the Kosovo ICT research priorities; facilitation of a dialogue between EU and Kosovo; and implementation of a capacity strengthening, networking and dissemination strategy that will provide assistance to local stakeholders in order to be able to participate on equal footing with their peers in the rest of the WBC and the EU to cooperative ICT research.

1.1.2 Ongoing Research Projects (as of December 2010)

	PROGRAMME	ACRONYM/FULL TITLE	COORDINATOR
1	7 th Framework Programme - International Cooperation, European Commission	"WBC-INCO.NET". Western Balkan Countries International Cooperation Net	ZSI-Austria
2	FP7 Marie Curie Initial Training Network Programme	RELATE: Trans-European Research Training Network on Engineering and Provisioning of Service-Based Cloud Applications	Karlsruhe Institute of Technology, Germany

	PROGRAMME	ACRONYM/FULL TITLE	COORDINATOR
3	Life-long-learning Program	LRE: Language Rich Europe	British Council
4	LLL-GRUNDTVIG	SILVER: Successful Intergenerational Learning through Validation, Education and Research.	Inholland University of Applied Sciences – Centre for Research in Intellectual Capital (the Netherlands).
5	The Leverhulme Trust	English in Europe. Opportunity or Threat?	Professor Andrew Linn, The University of Sheffield.
6	South East Europe Transnational Cooperation Programme	SEE-SCIENCE: Boosting innovation through capacity building and networking of science centres in the SEE region	Municipality of Debrecen in Hungary

1.1.3 Completed Research Projects

SEERC successfully completed six projects during 2012. Details on the completed projects are available in the table below:

	PROGRAMME	ACRONYM/FULL TITLE	COORDINATOR
1	Research Promotion Foundation - Cyprus	(TCP-HOT) Cyprus Tobacco Control: An Econometric and Social Analysis of the Impact of Tobacco Control Policies in the Hospitality and Tourism Industry in Cyprus	Cyprus University of Technology
2	Life-long-learning Program	ELIE: Employability. Learning through International Entrepreneurship	University of Salford, UK
3	CIP ICT Policy Support Programme	MORMED: Multilingual Organic Information Management in the Medical Domain	SEERC

	PROGRAMME	ACRONYM/FULL TITLE	COORDINATOR
	(Grant Agreement No. 250534)		
4	INTERREG IVC Interregional cooperation program	INNOPOLIS: Innovation Policy in University City Regions	University of Salford, UK
5	South East Europe Transnational Cooperation Programme	INTERVALUE: Inter-regional cooperation for valorisation of research results	Aristotle Univesrity of Thessaloniki-URENIO
6	South East Europe Transnational Cooperation Programme	AsviLoc Plus: Agency Supporting Value of Innovation System in Regional & Local Economies	Regional Development Agency of Marche Region

1.2 Research Publications

A series of publications by SEERC staff and students were published in 2012. (An extensive list of publications appearing by Research Track is provided at the end of the report in the Appendix).

2 THE DOCTORAL PROGRAMME

2.1 Viva examinations

One PhD candidate has undergone through Viva examination in 2012. The Examination took place at SEERC.

PhD Candidate	PhD Topic	External Examiner	Affiliation
Mr Ognen Paunovski	Exploring emergent phenomena: Towards analysis & Synthesis of emergent formations in Complex systems	Prof. Susan Stepney	University of York, UK

2.2 Upgrades to PhD Status

February 20, 2012: SEERC Student Mr Dimitris Bibikas (Part time student), registered with the Information School successfully upgrades to PhD status. His upgrade examination took place at SEERC.

March 16, 2012: SEERC Student Mr Konstantinos Rousis (Part time student), registered with the Computer Science Dept. successfully upgrades to PhD status. His upgrade examination took place at SEERC.

March 30, 2012: SEERC Student Mr Konstantinos Bratanis (Part time student), registered with the Computer Science Dept. successfully upgrades to PhD status. His upgrade examination took place at SEERC.

May 21, 2012: SEERC Student Ms Darja Koturovic (Part time student), registered with the Dept. of Law, successfully upgrades to PhD status. Her upgrade examination took place at SEERC.

2.3 Call for Doctoral Applications 2012-2013 & New Admissions

A new Call for applications to the SEERC Doctoral Programme for the academic year 2012-2013 was published in February 2012 and resulted to the following recruits: .

Name	Country	Topic	Mode of Study
Mr Adrian Solomon	ROMANIA	Knowledge Based Simulation Framework for Resilient Green Supply Chain Management .Freight Transportation in South Eastern Europe	FULL TIME
Mr Theodosios Tasios	GREECE	Empowering children and youth with special educational needs to make decisions about themselves	FULL TIME
Mr George Pavlidis	GREECE	Social dispositions and social factors effect on social behaviour and cognitive decline	FULL TIME
Ms Evanthia Tramantza	UK	A comparative longitudinal case study of Engineering students in the UK and in the South East Europe and their perceptions of Information literacy: During study and into the profession.	PART TIME
Mr Ivo Nescovic	FYROM	Research Proposal: Dynamic Monitoring and Adaptation of Service-Based Applications	PART TIME
Ms Ioanna Konstantinou	GREECE	Entrepreneurial Leadership in Crisis Context: Lessons from Greek SMEs”	PART TIME
Mr Stelios Kehaghias	GREECE		PART TIME

2.4 Scholarships offered from The Ministry of Education in Kosovo - New Admissions

CITY College - the International Faculty of the University of Sheffield, in cooperation with the Ministry of Education, Science and Technology of the Republic of Kosovo (under UNSC 1244) announced a call for *5 scholarships for PhD studies at SEERC. Following an evaluation process in which both potential supervisors from CITY College – International Faculty and from TUoS participated, the three scholarships were offered to the three successful PhD applicants below.

Name	Topic	Dept.	Mode of Study	TUoS Supervisor	SEERC Supervisor
Ms Fatbardha Qehaja Osmani	Language Comprehension Skills and executive functions in children	PSY	PART TIME	Dr Carroll	Dr Chrysochoou
Mr Ardian Sylja	Fiscal Policy and its effect on Kosovo's economic growth	MGT School	PART TIME	Dr. Peter Rodgers	Dr.Nikolaidou
Mr Kushtrim Zeqiri	Foreign Direct Investments and Economic Growth- Kosovo's Case	Town & Regional Planning	PART TIME	Dr. While	Dr.Nikolaidou
Ms Flaka Ismaili	Understanding Adaptive and Resilient Entrepreneurial Behaviors in SME's: Lessons from Turbulent Business Environment	MGT School	FULL TIME	Dr N. Williams & Dr. Vorley	Dr Psychogios
Ms Linda Tahiri	The Effects of Real Sector Structural Reforms on the Economic Performance of Kosovo	MGT School	PART TIME	Dr N. Williams	Dr Athanasios Fassas

2.5 DSC 2012

- The 7th Annual South East European Doctoral Student conference took place on 24-25 September 2012 in Thessaloniki. The audience of the conference expanded beyond the boundaries of South East Europe confirming the need for Doctoral Students to come together, discuss their experiences and gain external feedback to their work as well as listen to the progress and

methodology of fellow PhD candidates. This year's conference attracted a large number of submissions resulting in 106 presentations of full papers.

2.6 Research Seminars

Throughout 2012 SEERC continued the organization of **research seminars** in the frame of Open Seminar Series and Research Student Seminars. (For a full list of the SEERC seminars, see Appendix).

3 NETWORKING & DISSEMINATION

3.1 Events Organised by SEERC

May 23, 2012: SEERC together with the Thessaloniki Chamber of Commerce and Industry, organised an event in Thessaloniki as part of the ELIE (Employability: Learning through International Entrepreneurship) European Project.

June 1-2, 2012: SEERC, in cooperation with Sofia University St. Kliment Ohridski, The University of Sheffield International Faculty, City College and VUZF University organize the 5th International Conference on Entrepreneurship, Innovation and Regional Development (ICEIRD 2012) that took place in Sofia, Bulgaria.

September 24-28, 2012: The International Institute for Software Technology (United Nations University) with the support of SEERC, organise the 5th International School on Software Engineering and Formal Methods, that took place in Thessaloniki.

September 24-25, 2011: 7th Annual South East European Doctoral student conference, Thessaloniki, Greece.

October 1-5, 2012: SEERC and the International faculty of The University of Sheffield, organize the 10th International Conference on Software Engineering and Formal Methods (SEFM 2012) in Thessaloniki.

October 11-12, 2012: SEERC together with the Decentralized Administration of Macedonia - Thrace (DAMT), organize the final Conference of the INTERREG IVC project INNOPOLIS, in Thessaloniki.

October 18, 2012: SEERC and NOESIS organize and host the 1st South East Europe Science Festival - Innovation Through Science: Learn, Experience, Innovate, Celebrate, the first Science Festival taking place in Thessaloniki at NOESIS, in the frame of the SEE-SCIENCE Project.

November 22-23, 2012: SEERC as an official supporting partner to the Balkan Venture Forum together with the Balkan Unilimited, organize the Balkan Venture Forum, the largest venture capital and private equity investment forum in the region created to facilitate access to finance, to improve investor readiness, to catalyse innovation for Balkans' Region Business community and to foster entrepreneurship development. The forum took place in Belgrade, Serbia.

4 SEERC INTERNAL NEWS

4.1 Meetings and Visits

14th Steering Committee Meeting

The 14th Steering Committee meeting took place in Thessaloniki at SEERC on November 13, 2012. Professor Tony Payne who chaired the meeting, Dr Tim Vorley, Research Track 1 Leader from TUoS, Dr Alexandros Psychogios, Research Track 1 Leader from SEERC, Dr Tony Simons, Research Track 2 Leader from TUoS, Dr George Eleftherakis, Research Track 2 Leader from SEERC, Dr Efrosyni Kalyva, Research Track 3 Leader from SEERC, Prof. Paul Knepper, Research Track 3 Leader from TUoS, Dr Greg Morgan, Professor Panos Ketikidis, Mr Nikos Zaharis and Mr Tom Rhodes, participated to the meeting. The next steering committee meeting was agreed that it should take place in Sheffield, probably in November 2013.

4.2 New Staff @ SEERC

Mr. Rustem Dautov: Rustem holds an MSc in Computing Science from Newcastle University (Newcastle-upon-Tyne, UK) and a BSc in Automation and Control Systems from Kazan State Technological University (Kazan, Russia). Before joining SEERC as a Research Associate under the Marie Curie Initial Training Network "RELATE" in 2012, he had worked in the software industry in Russia for several years.

Mr Fotis Gonidis: Fotis is a graduate of Electrical and Computer Engineering school of Aristotle University in Thessaloniki and holds the title of Professional Doctorate in Engineering in the field of Information and Communication technology from Eindhoven University of Technology, the Netherlands. He joined SEERC as a Research Associate under the Marie Curie Initial Training Network "RELATE" in 2012.

5 APPENDIX

5.1 Publications per Research Track

Books

Bratanis, K., Dranidis, D., Koktsidis, P., Lazouras, L., & Nikolaidou, E. (2012). Proceedings of the 7th South East European Doctoral Student Conference (DSC 2012). South-East European Research Centre (SEERC).

Research Track 1: Enterprise, Innovation and Development

Journals

Ketikidis, P. H., Bulata, C. & Lazouras, L. (2012). Environmental Practices in the Romanian Banking Sector: An Exploratory Study. *IJENM*, 5(3), 239–253.

Vejzagic-Ramhorst, A., Ketikidis, P. H., & Huggins, R. (2012). Social capital, clusters, and interpretive fuzziness: a survey of the key literature (with specific reference to economic development in South East Europe). *IJIRD*, 4(1), 60–78.

Conferences and workshops

Ljepava, D. (2012). Determining the Impact of Interorganizational Relationships (IOR) on Innovation: Theoretical Framework Building. In Proceedings of the 7th Annual SEERC Doctoral Student Conference (DSC 2012). Thessaloniki, Greece: South-East European Research Centre (SEERC).

Research Track 2: Information and Communications Technology

Conferences and workshops

Bratanis, K. (2012). Towards engineering multi-layer monitoring and adaptation of service-based applications. SEERC Technical Reports. Thessaloniki, Greece: South East European Research Centre (SEERC).

Bratanis, K., Dranidis, D., Koktsidis, P., Lazouras, L., & Nikolaidou, E. (2012). Proceedings of the 7th South East European Doctoral Student Conference (DSC 2012). South-East European Research Centre (SEERC).

Bratanis, K., Dranidis, D., & Simons, A. J. H. (2012). The Challenge of Engineering Multi-Layer Monitoring & Adaptation in Service-Based Applications. In K. Bratanis, D. Dranidis, P. Koktsidis, L. Lazouras, & E. Nikolaidou (Eds.), Proceedings Of the 7th Annual South East European Doctoral Student Conference (pp. 497–503). Thessaloniki, Greece: South-East European Research Centre (SEERC).

Dautov, R., Paraskakis, I. & Kourtesis, D. (2012). An ontology-driven approach to self-management in cloud application platforms. In Proceedings of the 7th South East European Doctoral Student Conference (DSC 2012) (pp. 539–550). Thessaloniki, Greece.

Dranidis, D., Bratanis, K., & Ipate, F. (2012). JSXM: A Tool for Automated Test Generation. In Proceedings of the 10th International Conference on Software Engineering and Formal Methods (SEFM 2012). Lecture Notes in Computer Science. Springer Berlin / Heidelberg.

Eleftherakis, G., Paunovski, O., Rousis, K., & Cowling, A. J. (2012). Emergent Distributed Bio-Organization: A Framework for Achieving Emergent Properties in Unstructured Distributed Systems. In Proceedings of the 6th International Symposium on Intelligent Distributed Computing (IDC 2012). Calabria, Italy: Springer.

Eleftherakis, G., Rousis, K., & Ketikidis, P. H. (2012). Innovation Resilience by Engineering Emergence. Presented at 8th HSSS National and International Conference. Thessaloniki, Greece: HSSS.

Gonidis, F., Paraskakis, I. & Kourtesis, D. (2012). Addressing the challenge of application portability in cloud platforms. In Proceedings of the 7th South East European Doctoral Student Conference (DSC 2012) (pp. 565–576). Thessaloniki, Greece (forthcoming).

Kourtesis, D., Bratanis, K., Bibikas, D., Paraskakis, I. (2012). Software Co-development in the Era of Cloud Application Platforms and Ecosystems: the Case of CAST. In Collaborative Networks in the Internet of Services – 13th IFIP WG 5.5 Working Conference on Virtual Enterprises (pp. 196–204). IFIP Advances in Information and Communication Technology, 380. Springer Boston.

Kourtesis, D., Paraskakis, I., & Simons, A. J. H. (2012). Ontology-based framework for policy-driven governance in cloud application platforms. In Proceedings of the 7th International Conference on Formal Ontology in Information Systems (FOIS 2012). Graz, Austria.

Kourtesis, D., Paraskakis, I., & Simons, A. J. H. (2012). Policy-driven governance in cloud application platforms: an ontology-based approach. In Proceedings of the 4th International Workshop on Ontology-Driven Information Systems Engineering (ODISE 2012). Graz, Austria (forthcoming).

Marconi, A., Bucchiarone, A., Bratanis, K., Brogi, A., Moreno, J. C., Dranidis, D., et al. (2012). Research Challenges on Multi-layer and Mixed-initiative Monitoring and Adaptation for Service-based Systems. In Proceedings of the 34th International Conference on Software Engineering, Workshop on European Software Services and Systems Research – Results and Challenges. IEEE.

Rousis, K., Eleftherakis, G., & Cowling, A. J. (2012). An Engineering Perspective on Emergence. In Proceedings of the 7th Annual SEERC Doctoral Student Conference (DSC 2012). Thessaloniki, Greece: South-East European Research Centre (SEERC).

Rousis, K., Eleftherakis, G., Paunovski, O., & Cowling, A. J. (2012). Formal Modelling of a Bio-Inspired Paradigm Capable of Exhibiting Emergence. In Proceedings of the 5th Balkan Conference of Informatics. Novi Sad, Serbia: ACM.

Journals

Ketikidis, P. H., Bulata, C. & Lazuras, L. (2012). Environmental Practices in the Romanian Banking Sector: An Exploratory Study. IJENM, 5(3), 239–253.

Technical Reports

Bratanis, K., Bibikas, D., & Paraskakis, I. (2012). Enabling Cross-Language Intelligent Information Processing in Multilingual Social Networks. SEERC Technical Reports. Thessaloniki, Greece: South East European Research Centre (SEERC).

Research Track 3: Society and Human Development: Psychology, Politics, Sociology, and Education

Book chapters

Kalyva, E. (2012). Eating disorders in individuals with developmental disabilities. In C. M. Shapiro (Ed.), Eating disorders: Causes, diagnosis and treatments. (pp. 83–104). Hauppauge, NY: Nova Science Publishers.

Kalyva, E. (2012). Sexuality for individuals with developmental disabilities. In N. E. Peterson and W. Campbell (Eds.), Handbook on sexuality: Perspectives, issues and role in society (pp. 55–74). Hauppauge, NY: Nova Science Publishers.

Kalyva, E. (2012). Teacher burnout in Greece. In J. H. Stone and M. Blouin (Eds.), International encyclopedia of rehabilitation. Available online: <http://cirrie.buffalo.edu/encyclopedia/article.php?id=124&language=en>.

Journals

Dafoulis, V., & Kalyva, E. (2012). Factors associated with behavioral problems in children with idiopathic epilepsy. Epilepsy Research, 100(1-2), 104–112.

Horwath, J., Kalyva, E., & Spyrou, S. (2012). I want my experiences to make a difference promoting participation in policy-making and service development by young people who have experienced violence. *Children and Youth Services Review*, 34(1), 155–162.

PLEASE NOTE that these lists might be incomplete since the publications database has been established quite recently and it is continuously updated. For a last update please follow the link below:
http://www.seerc.org/index.php?option=com_refbase&Itemid=86

5.2 Open Seminar Series

February 17, 2012: “Complex Systems Simulation as a Scientific Instrument”, delivered by Professor Susan Stepney, Department of Computer Science, University of York, UK

May 22, 2012: “Punishment, Penal Policy, and the Enfranchisement of Prisoners” delivered by Dr Cormac Behan, Department of Law, The University of Sheffield.

5.3 Research Student Seminars

February 20, 2012: “Theorizing social software at work” delivered by PhD candidate Mr Dimitris Bibikas.

March 16, 2012: “Towards Disciplined Exploitation of Emergent Properties” delivered by PhD candidate Mr Konstantinos Rousis.

March 30, 2012: “Towards an integration and coordination framework for architecting multi-layered monitoring and adaptation of service-based applications” delivered by PhD candidate Mr Konstantinos Bratanis.

May 21, 2012: “Governmental and non-governmental action against organized crime and drug trafficking in Serbia” delivered by PhD candidate Ms Darja Koturovic.



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