



# ASSYST/Complex Systems Society Newsletter

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www.assystcomplexity.eu

**ASSYST/CSS**  
www.cssociety.org

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## Editorial

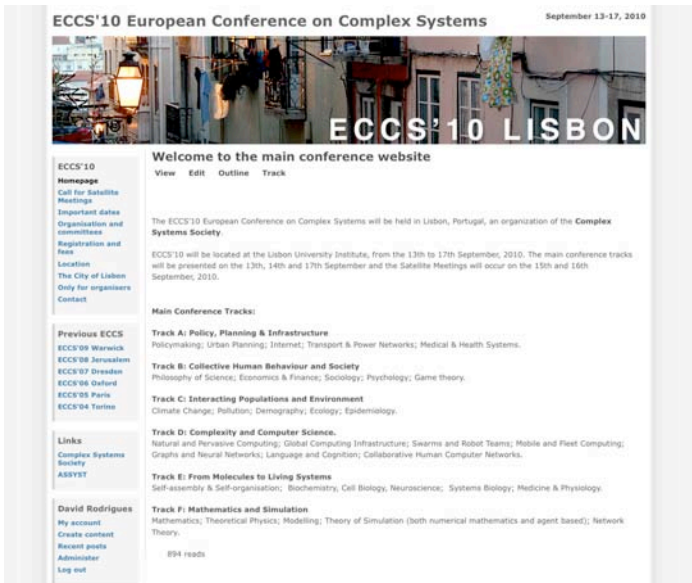
- 1 For this third ASSYST Complexity Newsletter, the Complex System Society (CSS) and ASSYST have worked together to produce a common newsletter.
- 2 Following the work of the previous FET coordination actions in Complex Systems Science (Exystence, GIACS and ONCE-CS), the ASSYST project aims to further promote the cohesion within the worldwide complex systems community. With this aim ASSYST will be in charge of the CSS newsletter for the duration of the project.
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This newsletter is **open** to suggestions and contributions therefore you are kindly invited to post important information through the CSS portal (<http://cssociety.org/>).

Before I let you discover the latest news from the complex systems community, let me describe some exciting prospects that 2010 offers. We believe that the Complex Systems Society is most likely to help its members to organize themselves through a bottom up way. For this reason, since the beginning of CSS, we have developed free collaborative tools to foster interactions among complex systems scholars. One of our major achievements is the complex systems registry ([csregistry.org](http://csregistry.org)) that consists of more than forty websites and 4500 users.

For 2010, with the help of the ASSYST project, we will increase our efforts to develop socially intelligent ICT tools to help people to better visualise their social and thematic neighbourhoods, as well as providing a global representation of the cutting edge research in complex systems research.

The convergence between the complex systems who's who (<http://whoswho.cssociety.org>), the socio-semantic browser (<http://csbrowser.cssociety.org>), the complex systems job openings platform (<http://jobs.cssociety.org>) and the registries of complex systems institutions and labs will make it possible for scholars to explore their



domain of interest and find relevant people and institutions, /e.g./ students looking for a PhD or a post-doc, scholars looking for partners for projects.

People willing to work with us to invent new forms of interaction are warmly invited to join the CSS website committee (<http://web.csssociety.org>).

Let 2010 be full of discoveries and exciting projects,

*David Chavalarias,*  
Vice-president secretary of the Complex Systems Society

## **ECCS'09 at the University of Warwick**



The European Conference on Complex Systems 2009 at Warwick was a further milestone in the CSS conference series based on a 5-day scientific programme of highest quality. With over 500 international participants, 15 satellite conferences, numerous talks and posters the whole area of complex systems applications was covered. Moreover a special emphasis by the organisers given to theoretical approaches like mathematical foundations, network theory and agent-based modelling did bring up a number of plenary talks in these areas. The programme tracks of the ECCS conference series have evolved at Warwick in the following way:

**Track A:** Policy, Planning & Infrastructure. Policymaking; Urban Planning; Internet; Transport & Power Networks; Medical & Health Systems.

**Track B:** Collective Human Behaviour and Society. Economics & Finance; Sociology; Psychology; Game Theory.

**Track C:** Interacting Populations and Environment. Climate Change; Pollution; Demography; Ecology; Epidemiology.

**Track D:** Complexity and Computer Science. Robotics; Grids, Clouds & Novel Computing; Ubiquitous Computing.

**Track E:** From Molecules to Living Systems. Self-assembly & Self-organisation; Neuroscience; Cell, Developmental and Systems Biology; Genetics; Medicine & Physiology.

**Track F:** Mathematics and Simulation. Mathematics; Modelling; Simulation; Theoretical Physics.

There are certainly still other areas that need to be explored by Complex Systems in general and the track areas in particular. Nevertheless the track scheme worked very well and gave every participant a home from where the other areas could be explored. The scientific programme of ECCS'09 was coupled with a number of events that added additional aspects important for Complex Systems. A forum on funding support (previously CRP forum) in the complex systems area incorporated speakers from EPSRC (funding in the area of physical sciences in the UK), BBSRC (funding of biological sciences in the UK), ERA-NET (a new initiative of European research councils in the area of complex systems), the European Science Foundation and the European Commission. The forum gave participants an excellent opportunity to orientate what kind of funding in the complex systems area can be expected in the following years. We like to continue this event inside the ECCS conference series. Another new type of event created for the first time at Warwick during ECCS'09 was a public discussion on global problems. The organizers had the wish to show that especially scientists from the wider complex systems community need to show responsibility and discuss our current problems which are presently emerging on a global scale. The videos of this session can now be viewed at

[http://www2.warwick.ac.uk/fac/cross\\_fac/comcom/events/eccs09/publicsession/](http://www2.warwick.ac.uk/fac/cross_fac/comcom/events/eccs09/publicsession/)

We hope that all participants have enjoyed their stay at Warwick and keep it in good memory. To make future participants of ECCS conferences curious about this series of events I would like to cite our Vice Chancellor Nigel Thrift from his welcome address. There is hardly a better way to say why we need ECCS:

*“As the Conference Organising Chair stated in his pre-conference address, we are living in a world of both immense richness and immense problems. We are only too aware of the huge challenges that beset the world today – the economy, of course, but also and more or less relatedly, energy, health, security, climate change and the environment. New scientific solutions to problems on micro and macro scales will help us all, spanning from new technologies in Biology, Medicine or Engineering to the understanding of the dynamics of cities, the global market or of society as a whole.”*

*Markus Kirkilionis*  
ECCS'09 Conference Organising Chair

## ECCS'10 Call for Papers



1st CALL FOR PAPERS - submissions deadline February 15, 2010

ECCS'10 - European Conference on Complex Systems

Lisbon, September 13-17, 2010

<http://eccs2010.eu/>

The main goal of the ECCS'10 conference is to stimulate and facilitate the presentation and discussion of new ideas, methods, and approaches related to different domains, both theoretical and applied, in the general area of Complex Systems research. Previous ECCS conferences have provided an excellent environment allowing the propagation of new ideas to a large audience, leading to the publication of papers in several journals (see, for instance, <http://eccs09.info>).

### SCOPE

The range of domains that ECCS has dealt with, and continues to deal with, is diverse, concerning a variety of Complex Systems research areas. The ECCS'10 main conference is organized in the following tracks:

#### Track A: Policy, Planning & Infrastructure

Policymaking; Urban Planning; Internet; Transport & Power Networks; Medical & Health Systems.

#### Track B: Collective Human Behaviour and Society

Philosophy of Science; Economics & Finance; Sociology; Psychology; Game theory.

#### Track C: Interacting Populations and Environment

Climate Change; Pollution; Demography; Ecology; Epidemiology.

#### Track D: Complexity and Computer Science

Natural and Pervasive Computing; Global Computing Infrastructure; Swarms and Robot Teams; Mobile and Fleet Computing; Graphs and Neural Networks;

Language and Cognition; Collaborative Human Computer Networks.

#### Track E: From Molecules to Living Systems

Self-assembly & Self-organisation; Biochemistry, Cell Biology, Neuroscience; Systems Biology; Medicine & Physiology.

#### Track F: Mathematics and Simulation

Mathematics; Theoretical Physics; Modelling; Theory of Simulation (both numerical mathematics and agent based); Network Theory.

### SUBMISSIONS

The ECCS'10 Organising Committee invites paper submissions for the ECCS'10 main conference, taking place in Lisbon from 13-17 September 2010.

ECCS'10 accepts the document format templates proposed by Springer-Verlag for the "Lecture Notes in Computer Science" series. Please visit the [eccs2010.eu](http://eccs2010.eu) website for templates.

Short papers should have 6 pages maximum, long papers should have no more than 12 pages and posters should have 1 or 2 pages. Submissions should be in PDF or Word formats.

Papers should be submitted via the MyReview System (<http://myreview.eccs2010.eu/>).

### IMPORTANT DATES

February 15, 2010 - Paper submission deadline

April, 2010 - Paper reviews and notification of paper acceptance

June 30, 2010 - Poster submission deadline

September 13, 14 and 17, 2010 - ECCS'10 Main Conference

September 15 and 16, 2010 - ECCS'10 Satellite Meetings

### ORGANISATION

#### Conference Organising Chair:

Jorge Louçã (Lisbon University Institute)

#### Conference Programme Chair:

Tsou Sheung Tsun (University of Oxford)

#### Complex Systems Society:

Jeffrey Johnson (Open University; President of the CSS)

#### Complex Systems Society Conference Steering Committee members:

Markus Kirkilionis (University of Warwick; Committee Chair)

Fatihcan Atay (Max Planck Institute for Mathematics in the Sciences, Leipzig)

Jürgen Jost (Max Planck Institute for Mathematics in the Sciences, Leipzig)

Scott Kirkpatrick (The Hebrew University of Jerusalem)

David Lane (University of Modena and Reggio Emilia)

Andreas Lorincz (Hungarian Academy of Sciences)

Denise Pumain (University Paris I Panthéon-Sorbonne)

Felix Reed-Tsochas (University of Oxford)

Eörs Szathmáry (Eötvös Loránd University, Budapest)

Stephan Thurner (Medical University of Vienna)

Paul Verschure (Universitat Pompeu Fabra, Barcelona)

Vittoria Colliza (ISI Foundation, Torino)

Questions should be addressed to the ECCS'10 Organizing Committee through the e-mail address [eccs2010@eccs2010.eu](mailto:eccs2010@eccs2010.eu) or using the contact form in the conference website.

## News

<http://assystcomplexity.eu/news.jsp>

### BOOK: PLANNING, COMPLEXITY AND NEW ICT!

The book "Planning, Complexity and New ICT" was published last september. It was the result of the INPUT08 conference, held last March in Lecco, Italy.

The book is now available to download at the Assyst Complexity Portal.

<http://assystcomplexity.eu/short/?id=34>

### ASSYSTCOMPLEXITY RSS FEED AND SOCIAL MEDIA

We added one RSS feed to the portal. This had been under testing for some time now, and is now available to all. The RSS feed is populated with the latest news from the Portal, Conferences and the Digital Library. If you use Google Reader, Net News Wire or any other RSS aggregator you can now subscribe to the ASSYSTComplexity RSS Feed. We also have friendfeed and twitter accounts that you can follow to get the latest news and calls.

<http://assystcomplexity.eu/rss.xml>

<http://twitter.com/assystcomplex>

<http://friendfeed.com/assystcomplex>

## Digital Library Additions

With the ECCS'09 in September being the dominant feature of this newsletter we'd like to say that several videos from the conference are available at the ASSYSTComplexity Digital Library. You can follow the links below to review some of the great ECCS'09 presentations.

Videos from ECCS'09 plenary sessions

<http://assystcomplexity.eu/short/?id=30>

Videos from ECCS'09 tracks (partial)

<http://assystcomplexity.eu/short/?id=31>

Videos from EmergeNET3 ECCS'09 Satellite Meeting

<http://assystcomplexity.eu/short/?id=32>

Videos from COSI-ICT ECCS'09 Satellite Meeting

<http://assystcomplexity.eu/short/?id=33>

## Conferences and Workshops

<http://assystcomplexity.eu/conferences.jsp>

### JAIST EELC2010

The International Seminar on the Emergence and Evolution of Linguistic Communication  
10 Mar 2010 to 12 Mar 2010  
Kyoto, Japan

### AISB 2010

The 2010 Annual Convention of the Society for the Study of Artificial Intelligence and Simulation of Behaviour  
29 Mar 2010 to 1 Apr 2010  
De Montfort University, Leicester

### EMCSR 2010

The European Meetings on Cybernetics and Systems Research  
6 Apr 2010 to 9 Apr 2010  
University of Vienna, Austria

### ABModSim2010

Third International Symposium on AGENT BASED MODELING and SIMULATION  
6 Apr 2010 to 9 Apr 2010  
University of Vienna, Austria

### AT2AI-7

Seventh International Symposium "From Agent Theory to Agent Implementation" at the 20th European Meeting on Cybernetics and Systems Research (EMCSR 2010)  
6 Apr 2010 to 9 Apr 2010  
Vienna, Austria

EVOSTAR2010

The EuroGP, EvoCOP, EvoBIO and EvoApplications conferences compose EVO\*:  
7 Apr 2010 to 9 Apr 2010  
Istanbul, Turkey

WABDP2010

Workshop on "Agent-based Simulation of Diffusion Processes"  
8 Apr 2010 to 9 Apr 2010  
Vienna, Austria

MAPS2

Teaching of/with Agent-Based Models in the Social Sciences  
8 Apr 2010 to 9 Apr 2010  
Paris, France

DEVS10

Symposium On Theory of Modeling and Simulation - DEVS Integrative M&S Symposium  
11 Apr 2010 to 15 Apr 2010  
Orlando, FL, USA

ADS2010

Agent-Directed Simulation Symposium 2010  
12 Apr 2010 to 14 Apr 2010  
Orlando, Florida, USA

e-Energy 2010

1st Int'l Conf. on Energy-Efficient Computing and Networking  
13 Apr 2010 to 15 Apr 2010  
University of Passau, Germany

AAG2010

Association of American Geographers Annual Meeting - Special Session on Modeling Geographic Complexity  
14 Apr 2010 to 18 Apr 2010  
Washington DC, USA

MS4

MODELS AND SIMULATIONS 4  
7 May 2010 to 9 May 2010  
Toronto, Canada

AAMAS 2010

9th International Conference on Autonomous Agents and Multiagent Systems  
10 May 2010 to 14 May 2010  
Toronto, Canada

ALA2010

ALA 2010: Adaptive and Learning Agents Workshop at AAMAS 2010  
10 May 2010 to 14 May 2010  
Toronto, Canada

NICSO 2010

Workshop on Nature Inspired Cooperative Strategies for Optimization  
12 May 2010 to 14 May 2010  
Granada, Spain

IMASC2010

International Workshop on Multi-Agent Systems and Collaborative Technologies (I-MASC 2010)  
14 May 2010 to 17 May 2010  
The Westin Lombard Yorktown Center, Chicago, Illinois, USA

AICCSA 2010

2010 ACS/IEEE International Conference on Computer Systems and Applications  
16 May 2010 to 19 May 2010  
Hammamet, TUNISIA

WiOPT 2010

9th International Symposium on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks  
31 May 2010 to 4 Jun 2010  
Avignon, France

KES-AMSTA 2010

KES Symposium on Agents and Multi-agent Systems Technologies and Applications  
23 Jun 2010 to 25 Jun 2010  
Gdynia, Poland

ECoMASS-2010

Workshop on Evolutionary Computation and Multi-Agent Systems and Simulation Workshop (ECoMASS-2010)  
7 Jul 2010 to 11 Jul 2010  
Portland, Oregon, USA

ESSLLI 2010

European Summer School in Logic, Language and Information 2010  
9 Aug 2010 to 20 Aug 2010  
The University of Copenhagen, Denmark

ECAI 2010

19th European Conference on Artificial Intelligence  
16 Aug 2010 to 20 Aug 2010  
Lisbon, Portugal

Alife XII

Artificial Life XII (ALife XII) Odense  
19 Aug 2010 to 23 Aug 2010  
Odense, Denmark

SAB10

FROM ANIMALS TO ANIMATS 11  
24 Aug 2010 to 28 Aug 2010  
Paris, France

COMMA 2010

Conference on Computational Models of Argument  
8 Sep 2010 to 10 Sep 2010  
Desenzano del Garda, Italy

ANTS2010

ANTS 2010 - Seventh International Conference on Swarm Intelligence  
8 Sep 2010 to 10 Sep 2010  
Brussels, Belgium

AE2010  
Artificial Economics 2010  
9 Sep 2010 to 10 Sep 2010  
Treviso, Italy

PPSN2010  
11th International Conference on Parallel Problem Solving From Nature  
11 Sep 2010 to 15 Sep 2010  
AGH University of Science and Technology, Krakow, Poland

ECCS2010  
ECCS 2010 - European Conference on Complex Systems  
13 Sep 2010 to 17 Sep 2010  
Lisbon, Portugal

## Jobs

<http://main.csregistry.org/tiki-index.php?page=jobs>

Position: Professor  
Modeling and health risk evaluation  
Faculty of Pharmacy University Paris Descartes  
Department "Public Health and Biostatistics" EA 4064  
"Environmental epidemiology: health impact of atmospheric pollutants"  
France - 25/03/2010

Position: PhD  
Assistant or Associate Professor  
Complex Adaptive Systems Initiative, Arizona State University  
United States - 02/15/2010

## Contacts

Website: <http://assystcomplexity.eu>  
Email: [newsletter@assystcomplexity.eu](mailto:newsletter@assystcomplexity.eu)

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Contributors to this edition:

Jane **Bromley**, David **Chavalarias**, Jeff **Johnson**, Markus **Kirkilionis**, Jorge **Louçã** and David **Rodrigues**.

**Story Submission Guidelines:** If you are a Complex System researcher/practitioner and want to share a success story about your work / research please submit it to [newsletter@assystcomplexity.eu](mailto:newsletter@assystcomplexity.eu). The story should be no longer than 500 words (if you want to submit an extended story please contact us) and should be sent in ODT, RTF, DOC or TXT format.

If you want to subscribe to this newsletter please send a message to [newsletter@assystcomplexity.eu](mailto:newsletter@assystcomplexity.eu) with the subject "**subscribe**"

If you want to unsubscribe to this newsletter please send a message to [newsletter@assystcomplexity.eu](mailto:newsletter@assystcomplexity.eu) with the subject "**unsubscribe**"

