

#### International Summer School on:

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September, 12<sup>th</sup> - 16<sup>th</sup> 2011

## Aim & objectives: 001

The summer school is organized by the **Black Sea Universities Network** in cooperation with **Hewlett Packard Romania** on the premises of the **"Ovidius" University of Constantza** and with the support of different partners.

The objectives of the Summer School are the followings:

- To evaluate the state of the art concerning high performance computing and cloud computing hardware and software solutions appropriate for the development of education and scientific research, distributed databases and other cooperative multiuser applications;
- To evaluate the interoperability aspects that have to be taken in consideration in dedicated projects for education and scientific research;
- Too present end-users applications in the field of multi-criteria analysis of sustainability and other scientific research and education applications using HPC and CC.

## Target audience:

The summer school is addressing researchers, PhD students and research fellows working in the field of IT&C modelling and simulations on sustainable development. 10111001101010

#### Decturers:

Prof. Michael Zgurovsky, National Technical University of Ukraine "KPI", Ukraine

Prof. Flavio Fontana, ENEA, Italy

Prof. Aurel Stanescu, "Politehnica" University of Bucharest, Romania

Prof. Dorin Carstoiu, "Politehnica" University of Bucharest, Romania

Prof. Eden Mamut, Black Sea Universities Network

Assoc. Prof. Eugen Zaharescu, "Ovidius" University of Constantza, Romania

PhD. Sorin Cheran - Hewlett Packard

Andrei Balcu - Hewlett Packard

Rares Juretchi - Hewlett Packard

Lecturers on behalf of Intel, Microsoft and VMWARE to be appointed.

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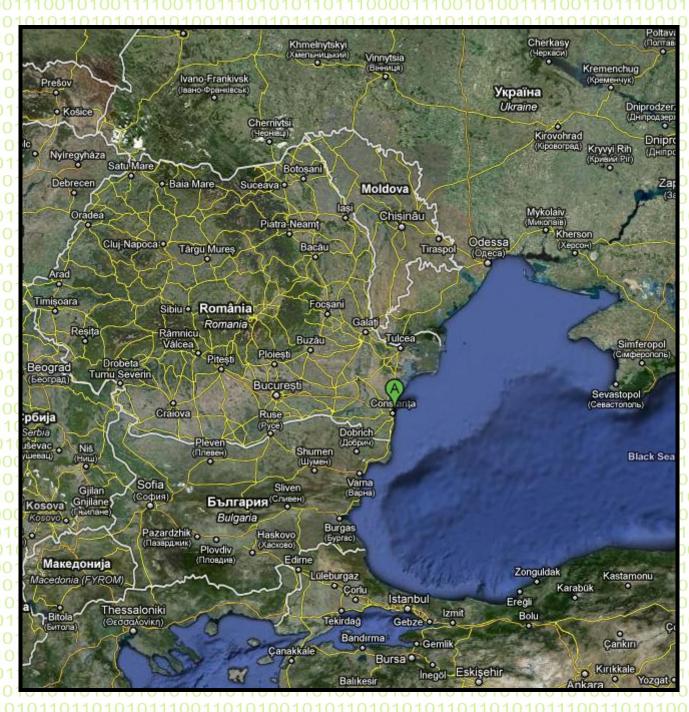
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0110	Hour	Туре	Monday - September 12, 2011	Tuesday - September 13, 2011	Wednesday - September 14, 2011	Thursday - September 15, 2011	Friday - September 16, 2011	1110
101	8.00-9.00	11101	0101110011010100	01011011010101011	010101010100101110	1011010011010101	01101010101010100	10110
100	0011100	0100	0 Registration 1101110101	Review Monday + Day Presentation	Review Tuesday + Day Presentation	Review Wednesday + Day   0 1 0 1	Review Thursday + Day 1 0 0 1 1	010
0110	8.45-9.00	10110101010101001011010		Hewlett Packard	Hewlett Packard 0 1 1 0 1 1 1 0 1	Presentation Hewlett Packard	Presentation Hewlett Packard	1110
101	01010110	1101	0101110011010100		01010401040040446	System Analysis Methods Applied	System Analysis Methods Applied	0110
100	0011100	10100	Summer School Presentation Mihai Guran - Hewlett Packard	Title to be specified	Title to be specified	to Sustainable Development	to Sustainable Development	010
0110	9.00-9.50	Course	Eden Mamut - Black Sea Universities	Intel Corporation	Microsoft Corporation	Prof. Michael Zgurovsky - National	Prof. Michael Zgurovsky - National	1101
101	01010110	1101	Network 1 1 0 0 1 1 0 1 0 1 0 0 1	· ·		Technical University of Ukraine "KPI"	Technical University of Ukraine "KPI"	0110
100	0011100	10100		Interoperability Solutions for Digital	Interoperability Solutions for Digital		HPC & CC Tools for Sustainable	010
0110	9.50-10.40	Course	Where are we in HPC, where are we going?	Data Platforms	Data Platforms	Invited Lecture	Development	1101
101	0707011	1101	PhD. Sorin Cheran - Hewlett Packard	Prof. Aurelian Mihai Stănescu -	Prof. Aurelian Mihai Stănescu-	minos Ecourc	Prof. Eden Mamut - Black Sea	0110
100	00111001	10100		"Politehnica" University of Bucharest	"Politehnica" University of Bucharest	0404404400004440	Universities Network	0101
0110	10.40- 10.50	1010	Coffee Break 1001011010	Coffee Break OOO 111001	Coffe Break	Coffe Break	Coffe Break	11101
101	0101011(	11101	High Performance Computing	Distributed Databases	Distributed Databases		HPC & CC Platform for Scientific Research & Education	0110
100	10.50- 11.40	Course	Introduction	Prof. Dorin Cârstoiu - "Politehnica"	Prof. Dorin Cârstoiu- "Politehnica"	Invited Lecture	Claudiu Fercu - "Ovidius"	1101
010	11000011	10010	PhD. Sorin Cheran- Hewlett Packard	University of Bucharest	University of Bucharest		University of Constantza	0011
1010	011010101	1001	Servers and Storage: State of the		Virtual Environments for Network	Virtual Environments for Network	Open Campus Cloud Computing	1101
010	11.40-12.30	Course	Art	Interconnect for HPC	Interfaces	Interfaces	for Higher Education Institutions	001
101	100001111	0010	Andrei Balcu - Hewlett Packard	PhD. Sorin Cheran - Hewlett Packard	Prof. Flavio Fontana - ENEA, Italy	Prof. Flavio Fontana - ENEA, Italy	Assoc. Prof. Eugen Zaharescu - "Ovidius" University of Constantza	0110
010	12.30-14.00	0010	Lunch	Cunch 00101100001110	Qunch 1001111100110111	Lunch 1011101100001	1Lunch 1010011111001	1011
101	0101010	11011						010
0110	00001110	0101	Cluster Management Solutions:	Infiniband Overview (basics and	Message Passing Interface Intro	In the discount	Title to be specified	110
101	14.00-14.45	Course	CMU and Open Source PhD. Sorin Cheran - Hewlett Packard	Subnet managers) PhD. Sorin Cheran - Hewlett Packard	PhD. Sorin Cheran - Hewlett Packard	Invited Lecture	VMWARE	01110
010	1010101	-0110						0101
1100	00011100	1010	Cluster Management Utility	Infiniband	Message Passing Interface flavours	Cloud Computing status and	Virtualization techniques	1010
0110	14.45-15.30	Course	PhD. Sorin Cheran/ Andrei Balcu	Andrei Balcu - Hewlett Packard	and deep dive	basics	(Wmware + Hyper V)	1110
101	01010110	1101	Hewlett Packard		PhD. Sorin Cheran - Hewlett Packard	Rares Juretchi - Hewlett Packard	Rares Juretchi - Hewlett Packard	0110
100	15.30-15.45	10100	Coffee Break 11011101010	Coffee Break 0101010110	Coffe Break 0 1 1 1 0 0 1 1 0 1 0 1	Coffee Break 1101010101	Coffee Break	1010
0110	01010101	1010	Cluster Deplement 1	OFFD Installation		Cloud Installation	Lab Virtualisation	110
101	15.45-17.00	1101 Lab	Cluster Deployment 1 PhD. Sorin Cheran/ Andrei Balcu -	OFED Installation PhD. Sorin Cheran/ Andrei Balcu -	MPI Lab1	Cloud Installation Rares Juretchi/Andrei Balcu -	Lab Virtualisation Rares Juretchi/Andrei Balcu -	0110
	0011100	10100	Hewlett Packard	Hewlett Packard	Hewlett Packard - Team	Hewlett Packard	Hewlett Packard	010
	01010101						0440404040404040	1101
101	01010110	01101	Cluster Deployment 2	OFED Testing	MPI Lab2	Cloud Installation	Discussions about the content of	0110
100	17.00-18.00	Lab 00	PhD. Sorin Cheran/ Andrei Balcu - Hewlett Packard	PhD. Sorin Cheran/ Andrei Balcu - Hewlett Packard	Hewlett Packard - Team	Rares Juretchi/Andrei Balcu - Hewlett Packard	the courses, recommendations for	010
0110	01010101	1010	nemeti ruckuru	The traction of the traction o		TO THE TOTAL OF TH	improvement and further cooperation plans	1110
101	18.00-18.10	Wrap	Wrap-up Monday	Wrap-up Tuesday	Wrap-Up Wednesday	Wrap-Up Thursday	1011010101010101010	1011(
100	0011100	10100	010101101101110	7110110101010110	110101011100110101	0010101101010101	1011010101110011	UIU

### Location:

The Council Hall of "Ovidius" University of Constantza 124, Mamaia Av.

900527 Constantza, Romania



You can find the exact place of school from the link below:

http://maps.google.com/maps?saddr=44.193959,28.650284&hl=en&ll=44.187497,28.641701&spn=0.093058,0.154324&sll=44.193713,28.652161&sspn=0.005

815,0.009645&mra=dme&mrsp=0&sz=17&t=h&z=13