



# ICT COST Action IC1406 High-Performance Modelling and Simulation for Big Data Applications (cHiPSet)

Training School Report for GP2

Palermo, April 2017

# Members of the TS Committee

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- ▶ Current list of members include:
  - ▶ **Ciprian Dobre**, University Politehnica of Bucharest, Romania
  - ▶ **Sanja Brdar**, University of Novi Sad, Serbia
  - ▶ **Dzimitry Kliazovich**, University of Luxembourg, Luxembourg
  
- ▶ Support from:
  - ▶ **Joanna Kolodziej**, Cracow University of Technology, Poland
  - ▶ **Horacio González-Vélez**, National College of Ireland, Ireland



<http://chipset-cost.eu/index.php/training-schools/>

# 2016 Edition (1<sup>st</sup> Edition)

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- ▶ TS 2016: “New Trends in Modeling and Simulation in HPC Systems”
  - ▶ Bucharest, Romania, 21-23 September 2016
  - ▶ Models and concepts coming from HPC...
  - ▶ .. to design accurate modeling and simulation strategies for the evaluation of HPC solutions.
- ▶ Trainers and trainees selected based on Call for Participation (open)
  
- ▶ Trainers selected (in the “programme” order):
  - ▶ Horacio González-Vélez, National College of Ireland, Ireland
    - ▶ “High-Performance Computing: Gossip, Lies, & Secrets”
  - ▶ Sandra Gelsing, University of Notre Dame, USA
    - ▶ “Leveraging Modeling and Simulations in HPC Infrastructures via Increased Usability”
  - ▶ Florin Pop, University Politehnica of Bucharest, Romania
    - ▶ “Evaluation of Cloud Systems”
  - ▶ Marc Frincu, West University of Timisoara, Romania
    - ▶ “Challenges and solutions in Simuling Clouds”
  - ▶ Eleni Karatza, Aristotle University of Thessaloniki, Greece
    - ▶ “Performance evaluation and analysis of large scale distributed systems - Issues, Trends, Problems and Solutions”

# Training School 2016

- ▶ Diplomas were handed to the:
  - ▶ 5 Trainers (financially supported by cHiPSet)
  - ▶ 20 Trainees – PhD and ESR external to Bucharest (financially supported by cHiPSet)
  - ▶ 20 Trainees – PhD from University Politehnica of Bucharest

The screenshot shows the website for the cHiPSet Training School 2016. The browser address bar displays the URL: [chipset-cost.eu/index.php/chipset-training-school-2016/](http://chipset-cost.eu/index.php/chipset-training-school-2016/). The website header includes the cHiPSet logo, social media icons, and navigation links such as Home Page, News, Events, Action Activities, Working Groups, Members, cHiPSet Publications, Individual Members' Activities, and Contact. The main content area features a menu on the left and a central banner for the training school. The banner text reads: "New Trends in Modeling and Simulation TRAINING SCHOOL in HPC Systems", "21-23 September 2016, Bucharest, Romania", and "COST Action IC1406 – High-Performance Modelling and Simulation for Big Data Applications (cHiPSet)". Below the banner is a calendar for September 2016, showing the training dates from the 21st to the 23rd. An "About" section at the bottom explains that the school promotes a Summer School on New Trends in Modeling and Simulation in HPC Systems, targeting PhD students, researchers, and skilled practitioners. The overarching aim is to improve participants' understanding of significant research methods commonly or increasingly used in the field of Modeling and Simulation (MS). Such enhanced understanding will enable them to select and combine appropriate research methods for their specific MS-related projects, with a special emphasis on evaluation of HPC Systems, and to contextualise them without unintended impacts on validity.

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**cHiPSet Partners**

**Calendar**

Month List Week Day

Mo	Tu	We	Th	Fr	Sa	Su
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6
2015	2016	2017				

**About**

cHiPSet is promoting a Summer School on New Trends in Modeling and Simulation in HPC Systems. It mainly targets PhD students, researchers and skilled practitioners.

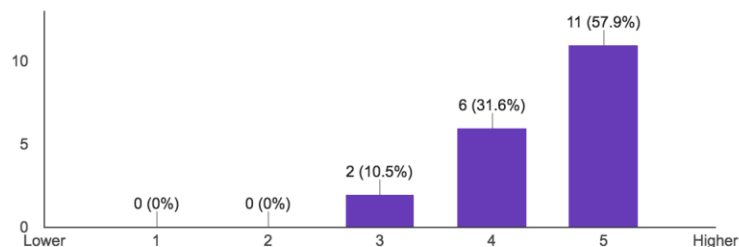
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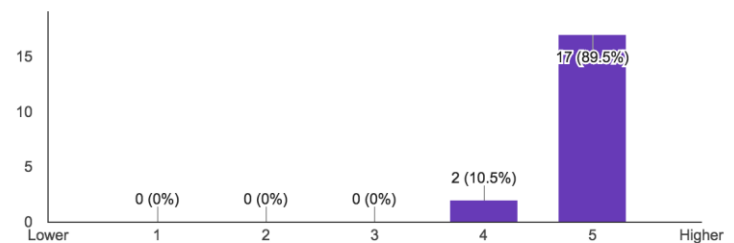
# Training School 2016

- ▶ Feedback gathered at the end of the event - ex. of answers (all considered for 2017's edition):
  - ▶ “The addition of a project within the summer school central topic would improve the results in terms of knowledge acquirement by students.”
  - ▶ “Industry representatives can be invited to support the training. For example they can provide HPC, cloud platform (Microsoft Azure, IBM Bluemix) and/or demonstrate a technology. In-depth understanding of exemplary subject can be achieved by introducing a hackathon for a one or two days.”
  - ▶ “The training school was well organized and for the future my only suggestion would be to have some more practical hands-on applications.”

Please grade the quality of the programme in the Training School. (19 responses)



Please grade the organization of the Training School. (19 responses)



# Training School – 2017 edition

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- ▶ An open Call for Interest was launched within cHiPSet community
  - ▶ One application (received and selected): University of Novi Sad, Serbia
- ▶ Details (!preliminary):
  - ▶ TS 2017 will be organized in *September*, in Novi Sad, Serbia
  - ▶ Theme: ““Big Data processing and analytics in the Internet of Everything Era”
    - ▶ Focus on big data and use cases arising from mobile phone data, IoT, satellite data...
      - Trainings on IoT platforms (Arduino, Raspberry Pi or others)
      - We try to get industrial involvement
- ▶ Open call for participation, as Trainer and Trainees, will soon be launched...



We Need You!

**Questions, ideas or comments?  
Discussion !**

**Thank y😊u!**

**<http://chipset-cost.eu/index.php/training-schools/>**