


PERSONAL INFORMATION

Mihnea Alexandru Dulea

 Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering

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Sex M | Date of birth | Nationality Romanian

POSITION

Senior researcher I

WORK
EXPERIENCE

- Since 2005 **Senior researcher (SR1, since 2013; SR2, 2005-2013)**
Head of department, 2005-2024
Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering, Magurele
- Head of the Department for Computational Physics and Information Technologies (DFCTI) (2012-2024)
 - Head of the Department for Particle Physics and Information Technologies (DPETI) (2009-2011)
 - Head of the Department for Information Technology and Communications (CTIC) (2005-2009)
 - Management of R&D and e-infrastructure projects.
 - Coordination of development of Cloud infrastructure and participation in EOSC
 - Coordination of development of the infrastructure for advanced computing.
 - Coordination of the RO-LCG Federation (since 2006) and of the National Grid Infrastructure NGI-RO (since 2014)
- Business or sector** Scientific research
- 2001-2005 **IT Manager**
Personal Development Systems International srl, Bucharest
- ITC management; development and implementation of software solutions for small businesses
- Business or sector** Business and other management consultancy activities
- 2000-2001 **ITC Coordinator, European division**
Network TwentyOne Romania, Bucharest
- Implementation and management of the central information system for 10 European offices of Network TwentyOne International (Atlanta, USA); coordination of their centralized reporting activities.
- Business or sector** Consultancy for business and management
- 1993-1995 **Postdoctoral researcher**
Inst. för Fysik och Mätteknik, Linköping University, Linköping, Sweden
- Computational modeling of resonant tunneling devices and multilayer structures
- Business or sector** Scientific research
- 1984-2000 **Scientific Researcher (SR 3, then SR 2)**
Institute of Physics and Technology of Materials, Magurele
- Research in theoretical condensed matter physics
- Business or sector** Scientific research

**EDUCATION
AND
TRAINING**

- 1990-1992 **Doctor of Philosophy (PhD)**
 Linköping University, Linköping, Sweden
 ▪ Theoretical condensed matter physics
- 1982-1984 **Specialization diploma**
 Physics Faculty, University of Bucharest
 ▪ Polymer physics
- 1978-1982 **Bachelor of science**
 Physics Faculty, University of Bucharest
 ▪ Solid-state physics

**PERSONAL
SKILLS**

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B1	B1	B1	B1	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills ▪ good communication skills gained through presentations, courses, outreach activities

Organisational / managerial skills ▪ leadership (manager of departments CTIC, DPETI, DFCTI)
 ▪ Member in the Organizing Committees of the International Conference on Advanced Scientific Computing (ICASC 2019 and 2023), annual RO-LCG conferences 2012-2017, in the International Advisory Committees of the RO-LCG conferences and of the JINR GRID conferences, 2010-2016.
 ▪ President (2011-2015) and co-founder of the Romanian Association for the Promotion of Advanced Computing Methods in Scientific Research - ARCAS.
 ▪ Representative of Romania in:
 ◦ WLCG Collaboration Board and Grid Deployment Board, CERN;
 ◦ the Council of the European Grid Infrastructure (EGI);

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient	Proficient	Proficient	Proficient	Proficient

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

Relational databases design and development, web development, HPC, Cloud and Grid computing, numerical modeling, data center infrastructure and management

ADDITIONAL INFORMATION

Publications Presentations Conferences

388 citations indexed in Web of Science (ISI),
 495 citations indexed in Google Scholar, h-index 10

Computing platform for fast analysis of experimental big data
 Chiroasca AV; Dulea M
Romanian Reports in Physics 76 (2024)

Tuning phosphorene and MoS2 2D materials for detecting volatile organic compounds associated with respiratory diseases
 Allosh, A; Pantis-Simut, CA; Filipoiu, N; Preda, AT; Necula, G; Ghitiu, I; Anghel, DV; Dulea, MA; Nemnes, GA
Royal Society of Chemistry Advances 14(3) 1803-1812 (2024)

Devising Advanced Computing Solutions for Scientific Communities
 D. Ciobanu-Zabet; M. Ciubăncan; I. Vasile; M. Dulea
Proc. International Conference on Advanced Scientific Computing (ICASC), IEEE, 2023, pp 1-4,
<https://ieeexplore.ieee.org/xpl/conhome/10327684/proceeding>

Implementing the Open Science Infrastructure at IFIN-HH
 N. Constantinescu, I. Vasile, M. Dulea
Proc. International Conference on Advanced Scientific Computing (ICASC), IEEE, 2023

Multi-VO support at a Tier2 site in the perspective of the LHC's Run 3
 Mihai Ciubăncan, Mihnea Dulea
International Conference on Advanced Scientific Computing (ICASC 2019);
http://icasc2019.ifin.ro/Book_of_Abstracts.pdf, p26 (2019)

Development of cloud computing, HTC, and HPC services at NGI-RO
 Ionut Vasile, Dragos Ciobanu-Zabet, and Mihnea Dulea
International Conference on Advanced Scientific Computing (ICASC 2019);
<https://indico.ifin.ro/event/1/contributions/50/> (2019)

Romanian distributed infrastructure for advanced scientific computing
 Mihnea Dulea
 International Conference on „Implementation of the UN 2030 SDGs in the Black Sea Region”,
 Bucharest, October 4-5, 2019; http://bsun.web.tr/media/Agenda-Implementation_of_the_UN2030_SDGs_in_the_Black_Sea_Region.pdf (2019)

Participation of DFCTI/IFIN-HH in advanced computing for research
 Mihnea Dulea, Dragos Ciobanu-Zabet, Mihai Ciubăncan, and Ionut Vasile
International Conference on Advanced Scientific Computing (ICASC 2019),
http://icasc2019.ifin.ro/Book_of_Abstracts.pdf, p21 (2019)

Optimization of the job management in a multi-queue environment
 Mihai Ciubăncan, Mihnea Dulea
 RO-LCG 2018 “Grid, Cloud, and High-Performance Computing in Science”, Cluj-Napoca, 17-19 October 2018, IEEE, CFP18ROL-POD, ISBN:9781538670439, Curran Associates, Inc. (Jan 2019)

Advanced computing support for non-HEP research communities at IFIN-HH
 Ionuț Vasile, Dragoș Ciobanu-Zabet, Mihnea Dulea
 RO-LCG 2018 “Grid, Cloud, and High-Performance Computing in Science”, Cluj-Napoca, 17-19 October 2018, IEEE, <https://ieeexplore.ieee.org/document/8572243>

Transdisciplinary Studies for Valorisation of National Cultural Heritage Using Nuclear Techniques and Other Associated Methods
 R. C. Fierascu et al.

8th International Conference on Digital Presentation and Preservation of Cultural and Scientific Heritage (DiPP), Vol.8, pp.165-170 (2018)

Implementing advanced data flow and storage management solutions within a multi-VO grid site
Mihai Ciubăncan, Mihnea Dulea

17th RoEduNet International Conference 'Networking in Education and Research', Targu-Mures, 21-23.09.2017, IEEE, <http://ieeexplore.ieee.org/abstract/document/8123736>

Evaluation of Multi-Source Downloads for FTS

Alin Grigorean, Mihai Carabas, Nicolae Tapus, Mihnea Dulea, Maria Arsuaga-Rios

17th RoEduNet International Conference 'Networking in Education and Research', Targu-Mures, 21-23.09.2017, IEEE, <https://ieeexplore.ieee.org/document/8123734>

File caching and purging strategies in the Disk Pool Manager

Paul Dumitriu, Mihai Carabas, Nicolae Tapus, Mihnea Dulea

17th RoEduNet International Conference 'Networking in Education and Research', Targu-Mures, 21-23.09.2017, IEEE, <https://ieeexplore.ieee.org/document/8123735>

Training in Grid Computing for Nuclear Physics Research

Corina Dulea, Gabriel Stanescu, Viorel Serban, Mihnea Dulea

Annual Bulgarian Nuclear Society International Conference, Varna, Bulgaria, 11-14 September, 2017, BgNS Science and Technology Journal (Transactions), 2017

Deployment of new technologies in a complex RO - LCG site

Mihai Ciubăncan, Mihnea Dulea

RO-LCG 2017 International Conference, Sinaia, 26-28 October 2017, BoA p. 43, ISBN 978-973-0-25620-8, <http://rolcg2017.ifin.ro/docs/bookOfAbstracts.pdf>

IFIN-HH contribution to advanced scientific computing infrastructure

M. Dulea, D. Ciobanu-Zabet, M. Ciubancan, and I. Vasile

RO-LCG 2017 International Conference, Sinaia, 26-28 October 2017, BoA p. 15, ISBN 978-973-0-25620-8

Value-added services provided by NGI-RO Operations Centre

I. Vasile, D. Ciobanu-Zabet, M. Dulea

RO-LCG 2017 International Conference, Sinaia, 26-28 October 2017, BoA p. 46, ISBN 978-973-0-25620-8

RoNBio: A molecular modeling system for computational biology

G. Necula, D. Ciobanu-Zabet, D. Simionescu, I. Vasile, M. Mernea, and M. Dulea

RO-LCG 2017 International Conference, Sinaia, 26-28 October 2017, BoA p. 62, ISBN 978-973-0-25620-8

Design of nanomechanical sensors based on graphene nanoribbons in a distributed computing system

C.M. Visan, T.L. Mitran, G.A. Nemnes, I.T. Vasile, M. Dulea

The 7th International Conference "Distributed Computing and Grid-technologies in Science and Education" (GRID 2016), JINR, Dubna, 4-9.07.2016

CLOUDIFIN, the first NGI-RO site participating to the EGI Federated Cloud

Dragoş Ciobanu-Zabet, Ionuţ Vasile, Mihnea Dulea

RO-LCG 2017 International Conference, Sinaia, 26-28 October 2017, BoA p. 62, ISBN 978-973-0-25620-8

One Decade of Computational Support for Advanced Research

M. Dulea

RO-LCG 2016 Conference "Grid, Cloud, and High-Performance Computing in Science", IFIN-HH, Bucharest-Magurele, 26-28.10.2016, ISBN 978-973-0-22868-7

Overview of the national LCG sites

Mihnea Dulea

RO-LCG 2016 International Conference "Grid, Cloud, and High-Performance Computing in Science", IFIN-HH, Bucharest-Magurele, 26-28.10.2016, ISBN 978-973-0-22868-7

Developing the computing environment for new research communities in Romania

Ionut Vasile, Dragos Ciobanu-Zabet, Mihnea Dulea
EGI Community Forum 2015, 10-13 november 2015, Bari, Italy

New developments of the WLCG site at IFIN-HH

Mihai Ciubancan, Teodor Ivanoaica, Mihnea Dulea
8th RO-LCG 2015 International Conference, „Grid, Cloud, and High-Performance Computing in Science”, 28-30.10.2015, Cluj, IEEE Proceedings, ISBN: 978-6-0673-7039-3

The new Operations Centre of the Romanian Grid Infrastructure

Ionut Vasile, Dragos Ciobanu-Zabet, M. Dulea
8th RO-LCG 2015 International Conference, „Grid, Cloud, and High-Performance Computing in Science”, 28-30.10.2015, Cluj, IEEE Proceedings, ISBN: 978-6-0673-7039-3

Contributions to the advanced computing for scientific research in Romania

Mihnea Dulea
7th RO-LCG Conference - Grid, Cloud and High-Performance Computing in Physics Research, IEEE, 3-4.11.2014, IFIN-HH

Participation of DFCTI in the LHC Computing Grid

Mihai Ciubancan, Teodor Ivanoaica, Mihnea Dulea
7th RO-LCG Conference - Grid, Cloud and High-Performance Computing in Physics Research, IEEE, 3-4.11.2014, IFIN-HH

Recent developments in the contribution of DFCTI/IFIN-HH to the WLCG collaboration

Mihai Ciubancan, Teodor Ivanoaica, Mihnea Dulea
The 6th International Conference "Distributed Computing and Grid-technologies in Science and Education", 30.06-5.07.2014, LIT-JINR, Dubna

Software system for inventory and assessment of the wear of computing machines from a network of grid data centres

M. Marinescu, M. Ciubancan, M. Dulea, R.O. Grigoriu, I. Halcu, G. Neculoiu, V.C. Sandulescu, O.C. Niculescu Faida, A.V. Marinescu
Networking in Education and Research, Joint Event 13th RoEduNet & 8th RENAM Conference, 11-13.09.2014, Technical Univ. of Moldova, Chisinau, IEEE Proceedings, p. 1-4, <http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=6945947>

Data transfer optimization for the DFCTI Grid site

M. Ciubancan, S. Constantinescu, M. Dulea
Networking in Education and Research, RoEduNet International Conference IEEE, 12th Edition, Sep. 26-28, 2013, doi: 10.1109 / RoEduNet. 2013 . 6714200, p. 1-4

Grid and HPC support for national participation in large-scale collaborations

M. Dulea, S. Constantinescu, M. Ciubancan, T. Ivanoaica, C. Placinta, I.T. Vasile, D. Ciobanu-Zabet
Proc. GRID'2012 Conference, JINR, 15-21.07.2012

National and regional organization of collaborations in advanced computing

M. Dulea
Proc. RO-LCG 2012 IEEE Int'l Conference, IEEE CFP1232T-PRT, ISBN 978-973-662-710-1, pp. 63-66

Support for multiple virtual organizations in the Romanian LCG Federation

M. Dulea, S. Constantinescu, M. Ciubancan
Proc. RO-LCG 2012 IEEE Int'l Conference, IEEE CFP1232T-PRT, ISBN 978-973-662-710-1, pp. 59-62

Quantum Encrypted Data Transfers in GRID, cap. 5 in Advances in GRID Computing, M. Dima, M. Dulea, A. Dima, M. Stoica, M. Udrea
ISBN- 978-953-307-301-9, InTech, p.73-94, 2011

GridNFIC - Romanian Computing Grid for Physics and Related Areas

T. Ivanoaica, M. Ciubancan, S. Constantinescu, M. Dulea
Nuclear Electronics & Computing NEC'2011, Proceedings of the XXIII International Symposium, E 10,11-2011-133, JINR, Dubna, 2011, p. 163-168

Classical and quantum communications in GRID computing

M. Dima, M. Dulea, D. Aranghel, B. Mitrica, M. Petre, M. Stoica, M. Udrea, R. Sterian, P. Sterian
Optoelectronics and Advanced Materials - Rapid Communications, 4 (11), 1840-1843, 2010

Grid and High Performance Computing infrastructure at the National Institute for Physics and Nuclear Engineering 'Horia Hulubei'

M. Ciubancan, S. Constantinescu, I. Vasile, M. Dulea
GRID2010 International Conference „Distributed Computing and Grid technologies in Science and Education”, JINR, Dubna, Russia, 28 June – 03 July 2010

Grid system for real-time management of distributed databases, with application to the coordination of complex projects

C. Placinta, I. Vasile, M. Dulea
GRID2010 International Conference „Distributed Computing and Grid technologies in Science and Education”, JINR, Dubna, Russia, 28 June – 03 July 2010, pp. 183-190, ISBN 978-5-9530-0269-1

THE QUANTGRID PROJECT (RO) - QUANTUM SECURITY IN GRID COMPUTING APPLICATIONS

Dima M, Dulea M, Pauna E, et al.
ROMANIAN JOURNAL OF PHYSICS, 54 (5-6) (2009) 441-448

Classical and Quantum Security in Grid Computing

M. Dima, M. Petre, C. Petre, M. Dulea, B. Mitrica
7th General Conference of the Balkan Physical Union, 9-13.09.2009, Alexandroupolis, Greece

Consistent Performance Assessment of Multicore Computer Systems

Gh. Adam, S. Adam, A. Ayriyan, V. Korenkov, V. Mitsyn, M. Dulea and I. Vasile
Romanian Journal of Physics, Volume 53, Issue 9-10, pp.985-991 (December 2008)

Performance assessment of the SIMFAP parallel cluster at IFIN-HH Bucharest

Gh. Adam, S. Adam, A. Ayriyan, E. Dushanov, E. Hayryan, V. Korenkov, A. Lutsenko, V. Mitsyn, T. Sapozhnikova, A. Sapozhnikov, O. Streltsova, F. Buzatu, M. Dulea, I. Vasile, A. Sima, C. Visan, J. Busa and I. Pokorny
Romanian Journal of Physics, Volume 53, Issue 5-6, pp. 665-677 (2008)

X-ray diffraction from amorphous Ge/Si Cantor superlattices

JÄrrendahl, K.; Dulea, M.; Birch, J.; Sundgren, J.-E.
Physical Review B (Condensed Matter), Volume 51, Issue 12, March 15, 1995, pp.7621-7631

An X-ray Study of Generalized Cantor Superlattices

Jarrendahl K, Birch J, Dulea M, et al.
Thin Solid Films Volume: 246 Issue: 1-2 (1994) 120-125

Unusual scaling of the spectrum in a deterministic aperiodic tight-binding model

Dulea, Mihnea; Johansson, Magnus; Riklund, Rolf
Physical Review B (Condensed Matter), Volume 47, Issue 14, April 1, 1993, pp.8547-8551

Hopping Conductivity of the Fibonacci-Chain Quasi-Crystal - Comment

Dulea M, Aldea A
Physical Review B Volume: 46 Issue: 13 (1992) 8642-8643

Localization of electrons and electromagnetic waves in a deterministic aperiodic system

Dulea, Mihnea; Johansson, Magnus; Riklund, Rolf

Physical Review B (Condensed Matter), Volume 45, Issue 1, January 1, 1992, pp.105-114

Trace-map invariant and zero-energy states of the tight-binding Rudin-Shapiro model

Dulea, Mihnea; Johansson, Magnus; Riklund, Rolf

Physical Review B (Condensed Matter), Volume 46, Issue 6, August 1, 1992, pp.3296-3304

Transmission of light through deterministic aperiodic non-Fibonacci multilayers

Dulea, Mihnea; Severin, Mattias; Riklund, Rolf

Physical Review B, Volume 42, Issue 6, August 15, 1990, pp.3680-3689

Periodic and quasiperiodic wavefunctions in a class of one-dimensional quasicrystals: an analytical treatment

Severin, M.; Dulea, M.; Riklund, R.

Journal of Physics: Condensed Matter, Volume 1, Issue 45, pp. 8851-8858 (1989).

Hopping conduction on aperiodic chains

Aldea, A.; Dulea, M.

Physical Review Letters, Volume 60, Issue 16, April 18, 1988, pp.1672-1675

Long-time asymptotics in the one-dimensional trapping problem with large bias

Aldea, A; Dulea, M; Gartner, P

Journal of Statistical Physics, 1988

Photoluminescence of the Hopping Disordered Systems with Electrical Bias

Dulea M., Aldea A.

Journal of Non-Crystalline Solids 90 (1-3) (1987) 461-464

AC conductivity of a disordered chain: real-space renormalisation group approach

Aldea, A.; Dulea, M.

Journal of Physics C: Solid State Physics,

Projects

Program/Project	Position	Period: from-to
PNIV/5.9/5.9.2/CERN-RO CERN-CONNECT: Improving the reliability and resilience of the data network for supporting the national contribution to the CERN's scientific program	Director	2023-2024
PNIII/P5/5.2/CERN-RO CONDEGRID: National contribution to the development of the LCG computing grid for elementary particle physics	Director	2022-2024
H2020-INFRAEOSC-2020-2 / EGI-ACE: EGI Advanced Computing for EOSC [leader EGI Foundation]	Team Leader Romania	2021-2023
POC/222/1/3 / SafePIC: Center of Excellence for Cyber Security and Critical Infrastructure Resilience [leader SafeTech]	Responsible for Partner	2020-2023
POC / CeCBiD-EOSC: Cloud and Big Data Center for participation in the European Open Science Cloud	Director	2020-2023
NUCLEU / PN19060205: Aplicarea tehnologiilor si metodelor de calcul avansat pentru investigatii in fizica sistemelor complexe	Director	2019-2022
PNIII/P5/5.2/CERN-RO CONDEGRID: National contribution to the development of the LCG computing grid for elementary particle physics	Director	2020-2021
H2020-EINFRA-12-2017 / EOSC-hub: Integrating and managing services for the European Open Science Cloud	Team Leader Romania	2018-2020

Hulubei-Meshcheryakov / <i>Development of strategic computer infrastructures in LIT-JINR and IFIN-HH</i> (124 / theme nr.: 05-6-1118-2014/2019)	Coordinator for IFIN-HH	2018
Hulubei-Meshcheryakov / <i>New investigation tools in computational physics</i> (126 / theme nr.: 05-6-1119-2014/2019)	Coordinator for IFIN-HH	2018
Nucleu Programme, PN18090205/2018: <i>Applying technology and methods of advanced computing for investigations in the physics of complex systems</i>	Director	2018
MCI Sectorial Plan, PS 2.1.8, <i>Techniques for storing and capitalizing on the results of advanced scientific research (SoVaReX)</i> , ctr. 10PS / 2017	Director	2017-2018
PN-III-CERN-RO 6/2016 CONDEGRID: <i>National contribution to the development of the LCG computing grid for elementary particle physics</i> (ctr. 6/2016)	Director	2016-2019
Nucleu Programme, PN16420202/2016: <i>Development and implementation of the technologies and methods of advanced computing for applications in the physics of complex systems</i>	Director	2016-2017
PN-II-PT-PCCA-2013-4-2087 - <i>Integrated system for biomolecular modeling, with aplicability to the study of Gram negative bacteria (SIMBAGRAN)</i>	Director	2014 - 2016
Hulubei-Meshcheryakov / <i>Development of methods, algorithms and software computationally adapted to existing system hardware at LIT-JINR and Magurele Campus</i> (32, 05-6-1119-2014/2016)	Coordinator for IFIN-HH	2014 - 2016
Hulubei-Meshcheryakov / <i>Definition and implementation of new functional features (monitoring, cloud services, etc.) of the distributed and parallel computing facilities at LIT-JINR and Magurele Campus</i> (33, 05-6-1048-2014/2016)	Coordinator for IFIN-HH	2014 - 2016
PN-II-PT-PCCA-2011-3.1-1350 – <i>Activity modeling and simulation of bacterial efflux pump inhibitors based on advanced laser methods (AMPLE)</i> [leader INFLPR]	Project Responsible	2012 - 2016
PN2-Capacitati-M3 CERN CONDEGRID: <i>National contribution to the development of the LCG computing grid for elementary particle physics</i> (8EU/2012)	Director	2012 - 2015
Parteneriatul IFA-CEA CD C1-06 HaPPSDaG: <i>Efficient Handling and Processing of PetaByte-Scale Data for the Grid Centers within the French Cloud</i>	Director	2010-2012
FP7-261499 HP-SEE: <i>High-Performance Computing Infrastructure for South East Europe's Research Communities</i>	Team Leader Romania	2010 - 2013
Programul Hulubei-Meshcheryakov, <i>Modeling and Developing Parallel Algorithms for the Study of complex Physical Systems at LIT-JINR and Magurele Campus</i> , 05-6-1060-2005/2010	Coordinator for IFIN-HH	2010-2013
Programul Hulubei-Meshcheryakov, <i>Optimization Investigations of the Grid and Parallel Computing Facilities at LIT-JINR and Magurele Campus</i> , 05-6-1048-2003/2010	Coordinator for IFIN-HH	2010-2013
PN2-Capacitati-M3 CERN CONDEGRID: <i>National contribution to the development of the LCG computing grid for elementary particle physics</i> (12EU/2009)	Director	2009 - 2011
NUCLEU - PN09370104: <i>Development of the Grid and HPC infrastructure for the physics of complex systems</i>	Director	2009 - 2013
POSCCE-A2-O2.2.3-2008-3 (structural funds) 209 / GRICEFCO: <i>Grid system for physics research and related areas</i>	Director	2009 - 2011
POSCCE-A2 IMPACT (structural funds) 1146 / CECSPAD: <i>Centre for parallel and distributed scientific computing</i>	Director	2007
PN2-Parteneriate / SIMPROC: <i>Integrated information system for real-time management of research projects</i> (D11-043 / 2007)	Director	2007 - 2010
CORINT NUCINT / SINDEGRID: <i>Sistem national de dezvoltare si exploatare a gridului de calcul LCG pentru fizica particulelor elementare</i> (11/2006)	Director	2006 - 2008

<i>CORINT NUCINT / SIMFAP: National system for the development and exploitation of the LCG computing grid for elementary particle physics (7/2006)</i>	Director	2006 – 2008
<i>NUCLEU - PN06350102: Upgrading the data communication infrastructure and implementing Grid technologies</i>	Director	2006 - 2008
<i>CEEX05-D11-67/2005 / COMCIP: Study of complex physical phenomena through methods of high performance distributed computing</i>	Technical coordinator	2005 - 2007

11.03.2024

