

# Curriculum Vitae Osvaldo Gervasi, PhD

Senior Member of IEEE  
Senior Member of ACM  
President of ICCSA

Associate Professor (Information processing systems), Dept. of Mathematics and  
Computer Science, University of Perugia (2017- present)

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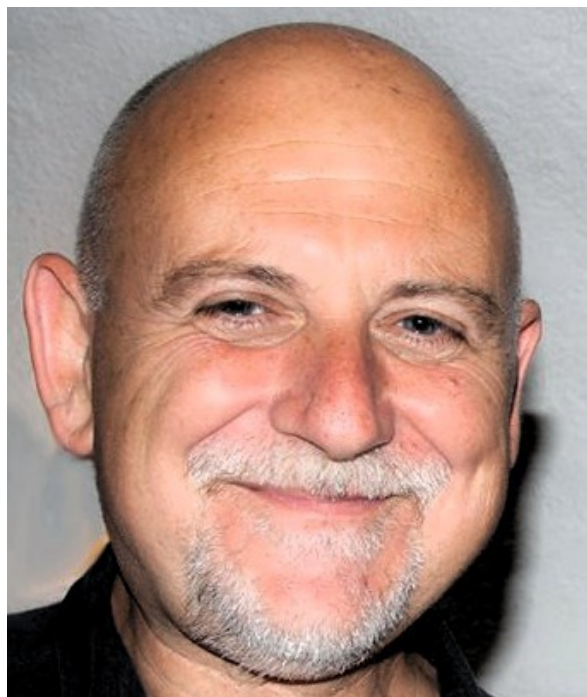
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## Career highlights

Pioneer researcher in Internet Technologies, Parallel and Distributed Computing, Grid Computing, Cloud Computing, Free and Libre Open Source Software, Virtual Reality and Augmented Reality Systems with a focus on tele-rehabilitation, e-Assessment technologies.

Associate Professor from Dec 2017 to present and Researcher from 2001 to Nov 2017 at the Department of Mathematics and Computer Science of Perugia University.

Deputy Director of the Department of Mathematics and Computer Science of Perugia University since November 2019.

He is President since 2023 of the professional degree course L-P03 “Programming and management of computer systems”, a new three-year degree course designed to facilitate entry into the world of work and narrow the gap between graduate preparation and the needs of the enterprises.

He is the Project Leader of the LibreEOL platform (<https://libreeol.org>) for carrying on exams in presence or remotely in a secure way, adopted by the University of Perugia as the only platform to carry on exams remotely during the pandemic of COVID-19.

He is President and co-founder of the not for profit Organization ICCSA since 2013. ICCSA runs yearly the International Conference on Computational Science and Its Applications (<https://iccsa.org>) since its foundation.

He leads the High Performance Computing Lab (HPCLab) and the Virtual and Augmented Reality Lab (VARLab) of the Department of Mathematics and Computer Science and the related Research Teams.

He was responsible for the didactic organisation of the ITS Umbria Academy ICT courses for the period 01/01/2023 - 30/11/2023.

He represented the Department of Mathematics and Computer Science in the Brainstorming group of the University of Perugia, established by the Rector Maurizio Oliviero to spread innovation, digitalization and advanced technology principles in the Regional context, in collaboration with entrepreneurs and trade associations, in order to raise the level of basic skills and to disseminate innovation and new technologies.

From 2016 to 2018 he was elected Member of Board of Directors of The Document Foundation (TDF) and from 2018 to 2020 he was elected Deputy Member of the Board of Directory of the same organization .

He co-founded the University Spin-off Master-Up Srl, focused on Molecular Modelling and simulations, Virtual Reality, e-Learning and e-Assessment and the startup Master-Tec Srl. Focused on Machine Learning, Molecular Modeling and simulations, Virtual Reality, Augmented Reality, e-Learning and e-Assessment.

He co-founded the Italian not for profit organization LibrelItalia, which aim is disseminating the FLOSS and Open Format of data representation principles in schools and in social contexts.

He organized several events at the University of Perugia regarding the FLOSS principles, the importance of coding and cybersecurity since primary schools.

He is member of the joint Working Group (Perugia University and Umbria Region) for monitoring the process related to the adoption of the Agenda Digitale dell'Umbria since 2014.

He was President of the Open Source Competence Centre (CCOS) of the Umbria Region, established under Regional Law 11/2006 from 2007 to 2013. During his term of office, he issued Calls for Proposals for the Financing to Public Administrations of projects for the diffusion of Free Libre and Open Source technologies (FLOSS) in 2008, 2009 and 2010.

225 projects were submitted, of which 121 were funded for a total of €708,000.

He was member (representing Researchers of Mathematics and Computer Science) of the Academic Senate of Perugia University.

From Jan1988 to Oct 2001 he got the position of Tecnico Laureato at the Computing Center of Perugia University, with the role of Scientific Computing Manager since 1990. In the period 1996-2000 he launched and managed the Krenet project, one of the rare pilot experiences at that time for the adoption of internet technologies for companies and individuals.

From May 1986 to January 10th, 1988 he got a research contract with the Computing Center of Perugia University.

From May 1982 to April 1986 he was employee of Soc. BIODATA S.p.A. (SERONO Group) a company producing radio-immunological test kits, as New Technologies Manager.

In several occasions he appeared in the media, both on regional TV channels and newspapers.

## **Education**

He got PhD (*summa cum laude*) in Quimica Teorica y Computacional on 22/11/2012 at Barcelona University (Spain).

He graduated (5 years course, *summa cum laude*) in Chemistry on 29/09/1981.

## **Professional experience**

2017 – present Associate Professor, Department of Mathematics and Computer Science, University of Perugia

2020 – present co-founder of the startup Master-Tec Srl focused on Machine Learning, Molecular Modeling and Simulations, Virtual Reality, Augmented Reality, e-Learning and e-Assessment

nov 2019 – present Deputy Director of the Department of Mathematics and Computer Science, University of Perugia.

2016 - 2018 Elected Member of Board of Directors of The Document Foundation (TDF)

2018 - 2020 Elected Deputy Member of the Board of Directory of The Document Foundation (TDF)

2013 – present co-founder of the not for profit organization Libreltalia, which is aimed at disseminating Free and Libre Open Source Software principles, LibreOffice personal productivity Office Suit, Open Formats for representing Data.

2013 – present President and co-founder of ICCSA not for profit organization, aimed at organizing and managing annually the International Conference of Computational Science and Its Applications (ICCSA) in collaboration with local Universities and Research Centers worldwide (usually the following scheme is used for electing the host of the conference:

Europe – Asia/Pacific – Europe – North/South America – Europe, etc. (2022 Malaga (Spain), 2021 Cagliari (Italy), 2020 Virtual, 2019 Saint Petersburg (Russia), 2018 Melbourne (Australia), 2017 Trieste (Italy), 2016 Beijing (China), 2015 Banff (Canada), 2014 Guimaraes (Portugal), 2013 Ho Chi Min City (Vietnam), 2012 San Salvador da Bahia (Brazil), 2011 Santander (Spain), 2010 Fukuoka (Japan), 2009 Seoul (South Korea), 2008 Perugia (Italy), 2007 Kuala Lumpur (Malaysia), 2006 Glasgow (UK), 2005 Singapore (Singapore), 2004 Assisi (Italy), 2003 Calgary (Canada)).

2004 – 2020 co-founder of the University Spin-off Master-Up Srl, focused on Molecular Modelling and Simulations, Virtual Reality, e-Learning and e-Assessment

nov 2001- nov 2017 Researcher, Department of Mathematics and Computer Science, University of Perugia

1996-2001 Manager of the Krenet Project to deliver internet services as an Internet Service Provider for Commercial users (companies and individuals) in the Umbria Region area.

jan 1988 – oct 2001 Tecnico Laureato, Computing Center, University of Perugia and Manager of the Scientific Computing Section.

1986-1987 Research contract with the Computing Centre of Perugia University

May 1982 – 1986 Researcher at Biodata SpA (Serono Group), a company producing radio-immunological test kits.

Jan 1982 – may 1982 Teacher of *Photographic Technologies* at the IPSIA, Città di Castello (PG)

1982-1983 in the Army

## **Awards**

In 2013 he received the *Certificate of Appreciation* from IEEE Communication Society “for contributing to the growth of the Communication Industry and the Society as a Loyal Communications Society Member”.

He is *Senior member ACM* since 2009.

He is *Senior Member IEEE* since 2009.

In 2007 he received the *Recognition of Service Award for the contribution to ACM* as Co-Chair of Web3D 2007.

In 2006 the SIMBEX project has been selected by CIVR of Ministero dell'Università as one of the 12 best products of the University of Perugia in the area of Mathematics and Computer Science for the period 2003-2005.

## Areas of Research

His research activity is focused on the following themes:

1. Parallel and Distributed Systems, Grid Computing, Cloud Computing
2. Virtual Reality and scientific visualization
3. Algorithms for Molecular Simulations
4. Multimedia and Internet computing
5. Artificial Intelligence
6. Free Libre and Open Source Software

## Research Projects

He participated to the following Research activities:

1. UniPG Research Unit coordinator of the (not financed) PRIN PNRR 2022: Project **RAMÉ CITY: virtual Reality And spatial analysis for a sMartest and happiEst CITY** (Project Coord. Chiara Garau, University of Cagliari)
2. UniPG Research Unit Responsible of the financed PRIN 2022: Project **DICI-A Dizionario delle Collocazioni Italiane per Apprendenti A Learner Dictionary of Italian Collocations** (Project Coord. Stefania Spina, University for Strangers, Perugia)
3. Member of UniPG Operative Unit of the financed **PRIN 2020: Project Astrochemistry beyond the second period elements**
4. Member of UniPG Operative Unit of: **FP7-INFRA2010-1.2.1 European Grid Initiative: Integrated Sustainable Pan-European Infrastructure for Researchers in Europe (EGI-Inspire)**
5. Member of an Operative Unit of the financed project **PRIN 2008: Teoria misure e simulazioni di processi, dinamiche ed interazioni molecolari**
6. **Member of an Operative unit of the financed project PRIN 2004: Esperimenti di Fasci Molecolari Incrociati e Simulazioni Molecolari a Priori su Grid**
7. Member of an Operative Unit of the financed project **PRIN 2002: Esperimenti di fasci molecolari incrociati e realta virtuale molecolare**
8. Member of an Operative Unit of: : **FP7-INFRA-2007 Enabling Grid for E-Science III (EGEE III)**

9. He participated to the Research Group of the following CCOS of Umbria Region Projects:
- Redazione di un libro sull'esperienza di migrazione verso il software FLOSS nella Regione Umbria (2009-2010)
  - Servizi Internet a supporto del CCOS (2009-2010)
  - Supporto alle Pubbliche Amministrazioni per la migrazione al FLOSS (2009-2010)
  - Gestione servizi Internet a supporto del CCOS (2010-2011)
5. He **coordinated** for the period 2001-2005 the project: *Simbex: A Metalaboratory for the a priori simulation of Crossed Molecular Beam Experiment*, of the COST Action D23 *Metachem: Metalaboratories for Complex Computational Applications in Chemistry*. The project was selected in 2004 for the Area Mathematics and Computer Science of Perugia University by the *Comitato di Indirizzo per la Valutazione della Ricerca (CIVR)* of the Italian Instruction, University and Research Ministry.
6. He was **coordinator** (2006-2010) of the project *E-science and Learning Approaches in Molecular Sciences* of COST Action D37: *Grid Computing in Chemistry: GRIDCHEM*.
7. In the period 2003-2004 he was member of the **Technical Board** of the project **MIUR - FIRB GRID.IT: piattaforme abilitanti per griglie computazionali ad elevate prestazioni orientate ad organizzazioni virtuali scalabili**.
8. He participated to the following **National Research Council (CNR) projects**:
- **Strategic project** *Tecnologie dell'Informazione*. Sub-project *Calcolo Vettoriale e Parallelo*
  - **Project** *Sistemi Informatici e Calcolo Parallelo*:
    1. Sub-project n.1 *Calcolo Scientifico per Grandi Sistemi*
    2. Sub-project n.8 *Iniziativa di Supporto al Calcolo Parallelo*.
  - **Research project** CNUCE-CNR n.14 *Metodologie e strumenti di migrazione di applicazioni tecnico scientifiche dall'ambiente di elaborazione seriale a quello parallelo* (1990).
  - **Research project** CNUCE-CNR n.17 *Progettazione di software per elaboratori a parallelismo massiccio* (1991)
  - **Research project** CNUCE-CNR n.19 *Elaborazione parallela: ambienti di sviluppo per la progettazione di software per elaboratori a parallelismo massiccio e applicazioni* (1992).

He coordinated the following financed research grants of Area 1: Mathematics and Computer Science of the Dept. Of Mathematics and Computer Science:

2002-2009: *Valutatori e Benchmark di algoritmi paralleli* (PhD. Dimitris Skouteris)

2003-2007: *Grid applications for Molecular Virtual Reality* (PhD. Leonardo Pacifici).

## **International Conferences**

He is General Co-Chair of the 24<sup>th</sup> International Conference on Computational Science and Its Applications (ICCSA 2024), Hanoi (Vietnam).

He organized yearly the Workshop *Virtual Reality and Applications (VRA)* during the International Conferences ICCSA 2012 up to ICCSA 2024.

He was General Co-Chair of the 23<sup>rd</sup> International Conference on Computational Science and Its Applications (ICCSA 2023), Athens (Greece), that was held with a Blended organization: part in presence, part virtual.

He was General Co-Chair of the 22<sup>nd</sup> International Conference on Computational Science and Its Applications (ICCSA 2022), Malaga (Spain), that was held with a Blended organization: part in presence, part virtual.

He was General Co-Chair of the 21<sup>st</sup> International Conference on Computational Science and Its Applications (ICCSA 2021), Cagliari (Italy), that was held with a Blended organization: part in presence, part virtual.

He was General Co-Chair of the 20<sup>th</sup> International Conference on Computational Science and Its Applications (ICCSA 2020), Cagliari (Italy), that was held as Virtual Conference.

He was General Co-Chair of the 19<sup>th</sup> International Conference on Computational Science and Its Applications (ICCSA 2019), Saint Petersburg (Russia).

He was General Co-Chair of the 18<sup>th</sup> International Conference on Computational Science and Its Applications (ICCSA 2018), Melbourne (Australia).

He was General Co-Chair of the 17<sup>th</sup> International Conference on Computational Science and Its Applications (ICCSA 2017), Trieste (Italy).

He was General co-Chair of the 16<sup>th</sup> International Conference on Computational Science and Its Applications (ICCSA 2016), Beijing (China).

He was General co-Chair of the 15<sup>th</sup> International Conference on Computational Science and Its Applications (ICCSA 2015), Calgary University, Banff (Canada).

He was Program co-Chair of the 14<sup>th</sup> International Conference on Computational Science and Its Applications (ICCSA 2014), Guimaraes (Portugal).

He was General co-Chair of the 13<sup>th</sup> International Conference on Computational Science and Its Applications (ICCSA 2013), Ho Chi Minh City, (Vietnam).

He was General co-Chair of the 12<sup>th</sup> International Conference on Computational Science and Its Applications (ICCSA 2012), Salvador da Bahia (Brazil).



He served as Program co-Chair of the *11th International Conference on Computational Science and Its Applications* (ICCSA 2011), Santander (Spain) June 20-23, 2011, and of the *Advanced Computer Science and Information Technology* (AST 2011), Seoul (Korea) September 2011.

He was General co-Chair of the *2010 International Conference on Computational Science and Its Applications* (ICCSA 2010), Fukuoka (Japan), March 23-26, 2010 and Program co-Chair of *Advanced Computer Science and Information Technology* (AST 2010), Mlyazaki (Japan) June 23-25 2010.

He was General co-Chair of the International Conference: *2009 International Conference on Computational Science and Its Applications* (ICCSA 2009), Yongin, Seoul (Korea), 29 June-2 July 2009, and of the *Grid and Distributed Computing International Conference* (GDC 2009), Jeju Island (Korea).

He organized the Workshop *Computer Graphics and Virtual Reality* during the International Conferences ICCSA 2009, ICCSA 2010 and ICCSA 2011.

He was co-Chair of the International Conference *2008 International Conference on Computational Science and Its Applications* (ICCSA 2008), Perugia (Italy), 30 June-3 July 2008.

He organized the Workshop "*Virtual Reality in Scientific Application and Learning*" (VRSAL) during the editions 2004, 2005, 2006, 2007 e 2008 of the International Conference of Computational Science and Its Applications.

He was co-Chair of the International Conference *2007 International Conference on Computational Science and Its Applications* (ICCSA 2007), Kuala Lumpur (Malaysia), 26-29 August 2007. He was co-Chair of the International Conference *ACM-SigGraph Web3D 2007 Conference*, Perugia (Italy), 15-18 April 2007 obtaining the *Recognition of Service Award for the contribution to ACM*.

He was Program Committee member of *EGEE User Forum*, 1-3 March 2006, CERN, Geneva (Switzerland).

He was co-Chair of the International Conference *2006 International Conference in Computational Science and Its Applications* (ICCSA 2006), Glasgow (United Kingdom), 8-11 May 2006.

He was co-Chair of the International Conference *2005 International Conference in Computational Science and Its Applications* (ICCSA 2005), Singapore (Singapore), 9-12 May 2005.

He was co-Chair of the International Conference *The 2004 International Conference in Computational Science and Its Applications* (ICCSA 2004), S, Maria degli Angeli, Assisi (Italy), 14-17 May 2004.

### **Visiting Professor**

He is visiting Professor at the **Koneru Lakshmaiah Education Foundation** (KLU), Guntur District, Andhra Pradesh, India, teaching a “High Performance Computing” course from Dec 31<sup>st</sup> 2022 to Jan 12<sup>th</sup>, 2023 and from Jan 19<sup>th</sup> 2024 to Feb 2<sup>nd</sup> 2024. This collaboration will last till 2027.

### **Invited Speaker**

He was Invited Speaker at the **International virtual conference on Machine Learning Applications in Applied Sciences and Mathematics** (IVCMASM 2022), March 31, 2022, SRM Easwari Engineering College, Ramapuram, Chennai (India), where he delivered the keynote lecture “**Strategies and System Implementations for Secure Electronic Written Exams**”.

He was Chief Guest of Honour at the **2nd International e-Conference On Information, Communication and Networking** (eICICN 2021), 9 - 10 April 2021, SRM Easwari Engineering College, Chennai (India).

He was **Invited Speaker** at the **International Conference on Informatics and Intelligent Applications (ICIIA 2021)**, Federal University of Technology Minna, Minna, Nigeria, November 25-27, 2021 (online), where he delivered the Keynote Lecture: “**Assessing competencies in the Pandemic**”.

He was **Invited Speaker** at the ICTA 2020: 3rd **International Conference on Information and Communication Technology and Applications**, Federal University of Technology Minna, Minna, Nigeria, November 24-26, 2020 (online);

He was **Invited Speaker** at the **International Conference on Computing, Networking and Informatics (ICCNI 2017)**, OTA (Nigeria), Oct 29-31, 2017, where he delivered the Keynote Lecture: “**Strategies for Grid and Cloud Integration**”.

He was **Keynote Speaker** at the following International Conferences: **Advanced Signal Processing (ASP2016)**, Manila (Philippines) Feb 12-14, 2016 where he delivered the Keynote Lecture: **“Innovative approaches in Tele-Rehabilitation”**.

We was **Invited Speaker** at the **6<sup>th</sup> IEEE International Conference on Adaptive Science and Technology (ICAST2014)**, Lagos (Nigeria) Oct 29-31, 2014 where he delivered the Keynote Lecture: **“May Technology strengthen Tele-Rehabilitation processes?”** .

We was **Invited Speaker** at the International Conference **“Future Generation Information Technology” (FGIT 2012)**, Korea Woman Training Center, Kangwondo (Korea), 16-19 dicembre 2012, where he delivered the Plenary Lecture **“The road of multi/many core computing”**.

He was **Invited Speaker** at the International Conference **“Future Generation Information Technology” (FGIT 2010)**, Cheju Island (Korea), 11-14 dicembre 2010, where he delivered the Plenary Lecture **“The Open Source revolution of the IT business”**.

We was **Invited Speaker** at the International Conference **“First International Conference on Smart Grid, Security-enriched Urban Computing and Smart Grid ” (SUCOMS 2010)**, Daejeon (Korea), 15-17 settembre 2010, where he delivered the Plenary Lecture **“From Rehabilitation to Personal Autonomy: advanced services in a Smart Grid Environment”**.

We was **Invited Speaker** at the International Conference **The International Conference on Hybrid Information Technologies (ICHIT 2006)**, Nov 9th-11th 2006, Jeju Island (South Korea) where he delivered the Plenary Lecture: **“Web3D technologies for E-Science”**.

### **Editorial Boards and review activities**

He is member of the **Editorial Board** of the scientific journal **Virtual Reality** (2012 I.F.: **0.341**).

He is member of the **Editorial Board** of the scientific journal **Electronics**, and **Computers** (ed. MDPI).

He is member of the **Editorial Board** of the scientific journal **Transactions on Computational Science**.

He is **reviewer** of the **Agence Nationale de la Recherche** (ANR), France.

He is **reviewer** of several **scientific journals**: Future Generation Computer Systems, Virtual Reality, International Journal of Grid Computing, Advances in Engineering Software, IEEE Access, Electronics, Computers.

He is reviewer of The International Conference on Computational Science and Its Applications (ICCSA), The International Conference on Hybrid Information Technology (ICHIT), The International Conference on Communications, Computing and Control Applications (CCCA), The ACM Genetic and Evolutionary Computation Conference (GECCO), The International Conference on 3D Web Technology (Web3D), 5th International Conference on Knowledge Generation, Communication and Management (KGCM 2011, In the context of The 15th World Multi-Conference on Systemics, Cybernetics and Informatics: WMSCI 2011, Orlando (Florida, USA).

### **Program Committee Membership**

He is member of the Program Committee of the following International Conferences/Workshops: The *ACM Genetic and Evolutionary Computation Conference* (GECCO, since 2007) , The *International Conference on 3D Web Technology* (Web3D, since 2008), di *Performance of Business Database Applications* (PBDA 2013) part of *The Federated Conference on Computer Science and Information Systems* (FedCSIS 2013), *10th International Conference on Knowledge-Based Intelligent Information & Engineering Systems* (KES 2006), The *International Conference on Hybrid Information Technology* (ICHIT), The *International Conference on Communications, Computing and Control Applications* (CCCA), The *Future Generation Information Technology* (FGIT) and of the *Conferenza Italiana sul Software Libero* (ConfSL, dal 2011).

He was **Publicity Chair** of the *Convergence and Hybrid Information Technology Conference* (ICHIT 2011), Daejeon (Korea).

### **Editor of Special Issues of International Journals**

**Co-Editor** (Osvaldo Gervasi and Roberto Ranon) of two **Special Issues** of **Virtual Reality** (**Impact Factor = 0.341**) *Virtual Reality* (2009) 13:219–220 DOI 10.1007/s10055-009-0139-9; *Virtual Reality* (2010) 14:153 DOI 10.1007/s10055-010-0161-y

**Co-Editor** of the **Special Issue** on Computational Science of the **Concurrency and Computation: Practice and Experience** (**Impact Factor = 0.845**), Issue 23, N. 5 (2011)

**Co-Editor** (Tai-hoon Kim, Sabah Mohammed, Carlos Ramos, Osvaldo Gervasi, Wai-Chi Fang, and Adrian Stoica) of the **Special Issue: Journal of Biomedicine and Biotechnology** (**Impact Factor=2.880**) Volume 2012 (2012).

**Co-Editor** (Tai-hoon Kim, Sabah Mohammed, Carlos Ramos, Osvaldo Gervasi, Wai-Chi Fang, and Adrian Stoica) of the **Special Issue: Journal of Biometric and Biosecurity**, (2012).

**Co-Editor** (Tai-hoon Kim, Sabah Mohammed, Carlos Ramos, Osvaldo Gervasi, Wai-Chi Fang, and Adrian Stoica) of the **Special Issue: Journal of Distributed Sensor Networks**, (2012).

**Co-Editor** ( Fang, W.-C., Kim, T.-H., Ramos, C., Gervasi, O., Stoica, A. ) of the **Special Issue: Journal of Engineering Systems Modelling and Simulation**, 6(1-2), (2014)

**Co-Editor** ( Fang, W.-C., Kim, T.-H., Ramos, C., Gervasi, O., Stoica, A. ) of the **Special Issue: Journal of Wireless and Mobile Computing**, 7(4), (2014)

**Co-Editor** ( Fang, W.-C., Kim, T.-H., Ramos, C., Gervasi, O., Stoica, A. ) of the **Special Issue: Journal of Risk Assessment and Management**, volume 17(4), (2014)

**Co-Editor** ( Fang, W.-C., Kim, T.-H., Mohammed, S., Gervasi, O., Stoica, A. ) of the **Special Issue: Journal of Computational Vision and Robotics (Impact Factor=2.880)** Volume 9, Issue 3, (2019).

**Editor** of the Special Issue **Virtual reality and Scientific Visualization, Electronics**, MDPI (2020)

**Editor** of the Special Issue **Selected Papers of ICCSA 2020, Computers**, MDPI (2020)

**Editor** of the Special Issue **Selected Papers of ICCSA 2021, Computers**, MDPI (2021)

**Editor** of the Special Issue **Selected Papers of ICCSA 2022, Computers**, MDPI (2022)

**Editor** of the Special Issue **Selected Papers of ICCSA 2023, Computers**, MDPI (2023)

**Editor** of the 2nd Special Issue **Virtual reality and Scientific Visualization, Electronics**, MDPI (2023)

**Editor** of the Special Issue on **Fractal AI-Based Analyses and Applications to Complex Systems , Fractals Complex Geometry, Patterns, and Scaling in Nature and Society**, World Scientific (2022, 2024)

## **Erasmus+**

He is responsible for Computer Science of the Erasmus+ agreements of the University of Perugia, Department of Mathematics and Informatics with the following Universities:

1. The Izmir University of Economics, Izmir (Turkey)
2. Brno University of Technology, Brno (Czech Republic)

3. The University of Cantabria, Santander (Spain)
4. The Sungkyunkwan University, Seoul (South Korea)

He participated to the Erasmus Teacher Mobility:

- a) Universidad Autonoma de Madrid, Madrid (Spain): from 2/9 to 8/9 2007
- b) Izmir University of Economics, Izmir (Turkey): fomr 21/7 t8/8 2011;

### **Stages and visits to other universities and research centres**

In 1988 he visited for 2 months the Stanford Linear Accelerator Center (**SLAC**), Stanford, CA, USA, for implementing the software Distributed Update Control System (DUCS) in the VM/CMS operating system, in collaboration with INFN, Perugia section. In 1993 he visited for a month the Department of Physics of the University of Oklahoma (USA), where he participated in the development of molecular simulation 3D codes.

In 1994 he visited for a month the Department of Physical Chemistry of the University of the Basque Country (Spain). He visited the University of Barcelona (Spain), Department of Chemistry of The University of Crete and the Research Centre Foundation for the Technology Hellas (FORTH), Crete (Greece).

In 1994 he visited for a month the Universidad del Pais Vasco in Vitoria (Spagna), within the project "Software for Design of Potential Energy Surfaces" in collaboration with Prof. Ernesto Garcia Para. He visited the University of Barcelona (Spain) several times; in 2007 for 2 months The Department of Chemistry of The University of Crete and the Centro Ricerche Foundation for the Technology Hellas (FORTH), Crete (Greece).

### **Teaching activities**

He is Professor in the Bachelor degree in Computer Science of the University of Perugia, of "*Architettura Reti di Computer*" (since 1995) and "*Sistemi di Realtà Virtuale*" (since 2001).

He is teacher at the Corso di Laurea Magistrale in Informatica of "*High performance Computing*" (since 2003) and "*Human Computer Interaction*" (since 2018 rill 2023).

He coordinated 150 Tesi di Laurea in Informatica, 6 Tesi di Laurea Specialistica in Informatica, 12 Tesi di Laurea Magistrale in Informatica.

He was supervisor of the PhD Thesis of "Dottorato di Ricerca in Matematica ed Informatica per il trattamento dell'informazione e della conoscenza" XXXV ciclo of Damiano Perri and Marco Simonetti.

He was supervisor of the Thesis of “Dottorato di Ricerca in Matematica ed Informatica per il trattamento dell'informazione e della conoscenza” XXV ciclo of Alessandro Costantini.

He was Teacher in the Master Europeo “Theoretical Chemistry and Computational Modeling” in 2007 (Madrid, Universidad Autonoma de Madrid), 2008 (Toulouse, Francia, Université Toulouse III - Paul Sabatier), 2013 (Madrid, Universidad Autonoma de Madrid), 2014 (Toulouse, Francia, Université Toulouse III - Paul Sabatier), 2019 (Madrid, Universidad Autonoma de Madrid).

He participated to the “Collegio Docenti del Dottorato di Ricerca in Matematica ed Informatica per il trattamento dell'informazione e della conoscenza XXV ciclo.”

## **Appointments**

He is Deputy Director the Department of Mathematics and Computer Science, University of Perugia, 2019 – present

He is President of the professional degree course L-P03 “Programming and management of computer systems”, 2023- present.

He is Delegate by the Director of the Department of Mathematics and Computer Science for Job Placemnt 2016-2019.

He is Delegate by the Director of the Department of Mathematics and Computer Science for Job Placemnt and Third Mission, 2019 – present.

He represented Researchers in the Academic Senate from 2005 to 2006.

He was a member of the Research Commission of the Department of Mathematics and Computer Science from 2002 to 2003..

He was the Manager of Polo GARR of Perugia, planning the management and technical organization of local GARR organizations (University of Perugia, CNR, INFN e University for Foreigners of Perugia) and the development of the network, taking part in meetings at national level to represent the local instances - from 1990 to 2001.

Since the realization of GARRB, evolution of the previous infrastructure, he was Technical Responsible (APM) of Perugia University until 2001.

In 1998, he designed and built the network infrastructure of the **Umbria 2000** project, promoted by the Region of Umbria for the Great Jubilee of 2000 through a collaboration contract with CRUED Servizi Informatici SpA.

## International scientific organizations

He is member of the following international scientific organizations:

1. **Senior Member IEEE**, affiliated to IEEE Computer Society and IEEE Communication Society;
2. **Senior Member ACM**, affiliated to Special Interest Group SIGCHI and SIGGRAPH;
3. Web3D Consortium
4. Internet Society.
5. **Member of The Document Foundation** (TDF) since 2013, the Not-for-profit organization releasing LibreOffice.
6. **Member of Board of Directors of The Document Foundation** (TDF) 2016-2020.
7. **LibreOffice Professional Trainer and LibreOffice Professional Migrator**, certified by The Document Foundation.
8. He was the promoter as President of the Open Source Competence Center of LibreUmbria, for the migration of the Public Administrations of Umbria region to LibreOffice. He is also co-founder of the association Libreltalia, to promote the migration to LibreOffice.

## Publications since 2008

### Refereed Journal articles

1. Gervasi, O.; Perri, D.; Simonetti, M.: **Empowering knowledge with Virtual and Augmented Reality**, IEEE Access, DOI 10.1109/ACCESS.2023.3342116, (2023), in press.
2. Simonetti, M.; Perri, D.; Gervasi, O.: **Variational Methods in Optical Quantum Machine Learning**, IEEE Access, vol 11, pp. 131394-131408, DOI 10.1109/ACCESS.2023.3335625, (2023)
3. Perri, D; Simonetti, M.; and Gervasi, O.: **Deploying Serious Games for Cognitive Rehabilitation**, COMPUTERS, ISSN: 2073-431X, 2022, doi: 10.20944/preprints202205.0242.v1
4. Perri, D; Simonetti, M.; and Gervasi, O.: **Deploying Efficiently Modern Applications on Cloud**, Pages 1-16, **Electronics** (Switzerland), Volume 11, Issue 3, Art. 450, 2022, DOI: 10.3390/electronics11030450
5. Gervasi, O., Perri, D., Simonetti, M.: **Strategies and System Implementations for Secure Electronic Written Exams**, **IEEE Access**, Volume 10, Pages 20559-20570, 2022, DOI: 10.1109/ACCESS.2022.3150860
6. Perri, D; Simonetti, M.; and Gervasi, O.: **Synthetic data generation to speed-up the object recognition pipeline**, Pages 1-19, **Electronics** (Switzerland), Volume 11, Issue 1, Art. 2, 2022, DOI: 10.3390/electronics11010002.
7. Perri, D., Fortunelli, M., Simonetti, M., Magni, R., Carloni, J., Gervasi, O.: **Rapid prototyping of virtual reality cognitive exercises in a tele-rehabilitation context**, **Electronics**, Pages 1-16, Electronics (Switzerland), Volume 10, Issue 4, 2021, DOI:10.3390/electronics10040457.
8. Labini, P.S., Cianfriglia, M., Perri, D, Gervasi, O, Fursin, G, Lokhmotov, A., Nugteren, C., Carpentieri, B., Zollo, F., Vella, F.: **On the Anatomy of Predictive Models for Accelerating GPU Convolution Kernels and beyond**, **ACM Transactions on Architecture and Code Optimization**, Volume 18, Issue 1, (2021)



9. Franzoni, V., Biondi, G., Perri, D., Gervasi, O. , **Enhancing mouth-based emotion recognition using transfer learning**, *Sensors* (Switzerland) volume 20, Issue 18, 5222, pp. 1-15 (2020)
10. Gervasi, Osvaldo; Franzoni, Valentina; Riganelli, Matteo; Tasso, Sergio: **Automatic Facial Emotion Recognition**. DOI:10.3233/WEB-190397. pp.17-27. In **WEB INTELLIGENCE AND AGENT SYSTEMS** - ISSN:1570-1263 vol. 17, pp.17–27, DOI 10.3233/WEB-190397, IOS Press, (2019)
11. Fang W., C; Kim, T. H.; Mohammed, S.; Ramos, C.; Gervasi, O.; Stoica, A.: **Editorial**. pp.225-227. In **INTERNATIONAL JOURNAL OF COMPUTATIONAL VISION AND ROBOTICS** - ISSN:1752-9131 vol. 9 (3)
12. Mirko Mariotti, Osvaldo Gervasi, Flavio Vella, Alfredo Cuzzocrea, Alessandro Costantini: **Strategies and systems towards grids and clouds integration: A DBMS-based solution**. *Future Generation Comp. Syst.* 88: 718-729 (2018)
13. A. Costantini, O. Gervasi, F. Zollo, L. Caprini, **User Interaction and Data Management for Large Scale Grid Applications**, (2014) *Journal of Grid Computing*, V. 12, Issue 3, pp. 485-497, DOI: 10.1007/s10723-014-9300-0 FASCIA ANVUR 2
14. G. Coletti, O. Gervasi, S. Tasso and B. Vantaggi, **Generalized Bayesian inference in a fuzzy context: from theory to a Virtual Reality application**, (2012), *COMPUTATIONAL STATISTICS & DATA ANALYSIS*, Vol. 56, pag. 967-980. FASCIA ANVUR: 2
15. Tai-hoon Kim and Sabah Mohammed and Carlos Ramos and Osvaldo Gervasi and Wai-Chi Fang and Adrian Stoica, **Editorial message related to the special issue on "Biometrics and biosecurity**, (2012) , *JOURNAL OF BIOMEDICINE AND BIOTECHNOLOGY*, pag:1-3, doi: 10.1155/2012/684815
16. O. GERVASI, Riccardo MAGNI, Mauro ZAMPOLINI (2010). **Nu!RehaVR: Virtual Reality in Neuro Tele-rehabilitation of Traumatic Brain Injury and Stroke Patients**. *VIRTUAL REALITY* (ISSN:1359-4338), 131-141 14 (2);
17. O. GERVASI, R. RANON (2010). **Guest editors' foreword to the second issue on virtual reality in scientific application** . *VIRTUAL REALITY* (ISSN:1359-4338), 153-153 14 (2);
18. A. COSTANTINI; E. GUTIERREZ; J. LOPEZ CACHEIRO; A. RODRIGUEZ; O. GERVASI; A. LAGANA' (2010). **On the extension of the Grid Empowered Molecular Science simulator: MD and visualization tools**. *INTERNATIONAL JOURNAL OF WEB AND GRID SERVICES* (ISSN:1741-1106), 141-159 6;
19. A. COSTANTINI; O. GERVASI; C. MANUALI; N. FAGINAS LAGO; S. RAMPINO; A. LAGANA' (2010). **COMPChem: progress towards GEMS a Grid Empowered Molecular Simulator and beyond**. *JOURNAL OF GRID COMPUTING* (ISSN:1570-7873), 571-586 8;
20. D. SKOUTERIS; O. GERVASI; A. LAGANA' (2010). **Non-Born-Oppenheimer MCTDH calculations on the confined H2+ molecular ion**. *CHEMICAL PHYSICS LETTERS* (ISSN:0009-2614), 144-148 500;
21. O. Gervasi, K. C. J. Tan, M. Gavrilova, D. Taniar (2010). **Computational Science and its Applications**. *JOURNAL OF UNIVERSAL COMPUTER SCIENCE* (ISSN:0948-6968), 889-890 16-6;
22. A. LAGANA' , O. GERVASI (2009). **A priori molecular virtual reality on EGEE grid**. *INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY* (ISSN:0020-7608), 446-453 110 (2);
23. D. SKOUTERIS; O. GERVASI; A. LAGANA' (2009). **Quantum mechanical studies using cylindrical coordinates. The nanotube case study**. *COMPUTER PHYSICS COMMUNICATIONS* (ISSN:0010-4655), 459-465 180;
24. O. GERVASI, R. RANON, (2009). **Guest editors' foreword to the special issue on Virtual Reality in Scientific Application**. *VIRTUAL REALITY* (ISSN:1359-4338), 219-220 13 (4);

### Part of Monograph or part of a book:

25. Perri, Damiano, Simonetti, Marco, Tasso, Sergio, Gervasi, Osvaldo (2022). **Learning Mathematics in an Immersive Way**. In: Laura M. Castro Rüdiger Heimgärtner David Cabrero. *Software Usability*. p. 1-15, London: Intech Open, ISBN: 978-1-83968-966-6, doi: 10.5772/intechopen.96533
26. Damiano Perri, Marco Simonetti, Osvaldo Gervasi, Sergio Tasso (2022). **High-performance computing and computational intelligence applications with a multi-chaos perspective**. In: Yeliz Karaca; Dumitru Baleanu; Yu-Dong Zhang; Osvaldo Gervasi; Majaz Moonis. *Multi-Chaos, Fractal and Multi-Fractional Artificial Intelligence of Different Complex Systems*. p. 55-76, Elsevier, ISBN: 978-0-323-90032-4, doi: 10.1016/B978-0-323-90032-4.00010-9
27. Perri, D., Simonetti, M, Tasso, S., and Gervasi, O.: **Learning Mathematics in a immersive way**, *Software Usability*, IntechOpen, 2021

28. G. Benigni and O. Gervasi, (2012), **Human-Machine Interaction and Agility in the Process of Developing Usable Software: A Client-User Oriented Synergy**, in **Human Machine Interaction - Getting Closer**, ed. Maurtua Inaki, pag. 23-50, InTech OpenAccess Publisher
29. F. Vella, R. M. Cefalà, A. Costantini, O. Gervasi and C. Tanci, (2011), **GPU Computing in EGI Environment Using a Cloud Approach**, Computational Science and Applications, pag 150-155, IEEE Computer Society, Conference Publishing System, Los Alamitos CA (USA), doi=10.1109/ICCSA.2011.61.
30. O. Gervasi, D. Russo, F. Vella (2010). **The AES Implantation Based on OpenCL for Multi/many Core Architecture** in Bernady O. Apduhan, Osvaldo Gervasi, Andres Iglesias, David Taniar, Marina Gavrilova: Computatinal Science and Applications **IEEE Computer Society**, Conference Publishing System Los Alamitos, CA, USA 129-134 Computational Science and Applications
31. V. FRANZONI , O. GERVASI (2009). **Guidelines for Web Usability and Accessibility on the Nintendo Wii**. TRANSACTIONS ON COMPUTATIONAL SCIENCE (ISSN:1866-4733), 19-40 VI;
32. A. LAGANA'; MANUALI C; N. FAGINAS LAGO; O. GERVASI; S. CROCCHIANTI; (2009). **From Computer Assisted to Grid Empowered Teaching and Learning Activities in Higher Chemistry Education"**, Innovative Methods of Teaching and Learning Chemistry in Higher Education, 153-190
33. A. COSTANTINI, S. TASSO, O. GERVASI (2009). **Visualization and Web Services for Studying Molecular Properties**. in O. GERVASI, D. TANIAR, Y. MUN, A. IGLESIAS, M.L. GAVRILOVA: Selected Papers of the 2009 International Conference on Computational Science and Applications IEEE Computer Society Los Alamitos, CA 222-228
34. A. LAGANA'; MANUALI C; N. FAGINAS LAGO; O. GERVASI; S. CROCCHIANTI; (2009). **From Computer Assisted to Grid Empowered Teaching and Learning Activities in Higher Chemistry Education"**, Innovative Methods of Teaching and Learning Chemistry in Higher Education, 153-190

## Refereed proceeding papers

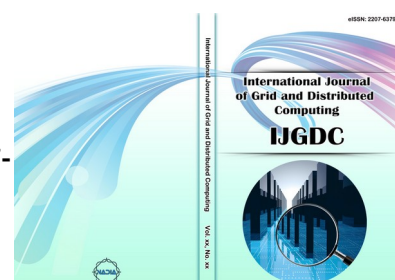
35. Perri, D., Gervasi, O., Simonetti, M. (2023). **A New Exercise Environment for the Experimental Treatment of Visual Snow**. In: Gervasi, O., *et al.* Computational Science and Its Applications – ICCSA 2023 Workshops. ICCSA 2023. Lecture Notes in Computer Science, vol 14104. Springer, Cham. [https://doi.org/10.1007/978-3-031-37105-9\\_17](https://doi.org/10.1007/978-3-031-37105-9_17)
36. Simonetti, M., Perri, D., Gervasi, O. (2023). **A Simple Implementation of an Entangler Circuit by Using Quantum Linear Optics**. In: Gervasi, O., *et al.* Computational Science and Its Applications – ICCSA 2023 Workshops. ICCSA 2023. Lecture Notes in Computer Science, vol 14104. Springer, Cham. [https://doi.org/10.1007/978-3-031-37105-9\\_9](https://doi.org/10.1007/978-3-031-37105-9_9)
37. Perri, D., Simonetti, M., Tasso, S., Gervasi, O. (2023). **Open Metaverse with Open Software**. In: Gervasi, O., *et al.* Computational Science and Its Applications – ICCSA 2023 Workshops. ICCSA 2023. Lecture Notes in Computer Science, vol 14111. Springer, Cham. [https://doi.org/10.1007/978-3-031-37126-4\\_37](https://doi.org/10.1007/978-3-031-37126-4_37)
38. Osvaldo Gervasi, Damiano Perri, Marco Simonetti, Sergio Tasso (2022). **Strategies for the Digitalization of Cultural Heritage**. In: Computational Science and Its Applications. vol. 13382, p. 486-502, Springer Cham, ISBN: 978-3-031-10592-0, Malaga (Spain), July 4-7, 2022, doi: 10.1007/978-3-031-10592-0\_35
39. Marco Simonetti, Damiano Perri and Osvaldo Gervasi (2022). **An Example of Use of Variational Methods in Quantum Machine Learning**. In: Computational Science and Its Applications. vol. 13375, p. 597-609, Springer Cham, ISBN: 978-3-031-10522-7, Malaga (Spain), July 4-7, 2022, doi: 10.1007/978-3-031-10522-7
40. Damiano Perri, Marco Simonetti, Osvaldo Gervasi, Natale Amato (2022). **A Mobile App to Help People Affected by Visual Snow**. In: Computational Science and Its Applications. vol. 13382, p. 473-485, Springer Cham, ISBN: 978-3-031-10592-0, Malaga (Spain), July 4-7, 2022, doi: 10.1007/978-3-031-10592-0\_34
41. Damiano Perri, Marco Simonetti, Alex Bordini, Simone Cimarelli, Osvaldo Gervasi: **IoT to Monitor People Flow in Areas of Public Interest**. ICCSA (10) 2021: doi:10.1007/978-3-030-87016-4\_47; Lecture Notes in Computer Science, vol. 12958, pp.658-672

42. Damiano Perri, Marco Simonetti, Andrea Lombardi, Noelia Faginas Lago, Osvaldo Gervasi: **A New Method for Binary Classification of Proteins with Machine Learning**. ICCSA (10) 2021: Lecture Notes in Computer Science, vol. 12958, doi:10.1007/978-3-030-87016-4\_29; 388-397
43. Damiano Perri, Marco Simonetti, Sergio Tasso, Federico Ragni, Osvaldo Gervasi: **Implementing a Scalable and Elastic Computing Environment Based on Cloud Containers**. ICCSA (1) 2021: Lecture Notes in Computer Science, vol. 12949, doi: 10.1007/978-3-030-86653-2\_49; 676-689
44. Biondi, G.; Franzoni, V.; Gervasi, O.; Perri, D.: **An Approach for Improving Automatic Mouth Emotion Recognition**. DOI:10.1007/978-3-030-24289-3\_48. pp.649-664. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) - ISBN:978-3-030-24288-6.... In LECTURE NOTES IN ARTIFICIAL INTELLIGENCE - ISSN:0302-9743 vol. 11619
45. Gervasi, O.; Fortunelli, Martina; Magni, R.; Perri, D.; Simonetti, M.: **Mobile Localization Techniques Oriented to Tangible Web**. DOI:10.1007/978-3-030-24289-3\_10. pp.118-128. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) - ISBN:978-3-030-24288-6.... In LECTURE NOTES IN ARTIFICIAL INTELLIGENCE - ISSN:0302-9743 vol. 11619
46. Perri, D.; Sylos Labini, P.; Gervasi, O.; Tasso, S.; Vella, F.: **Towards a Learning-Based Performance Modeling for Accelerating Deep Neural Networks**. DOI:10.1007/978-3-030-24289-3\_49. pp.665-676. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) - ISBN:978-3-030-24288-6.... In LECTURE NOTES IN ARTIFICIAL INTELLIGENCE - ISSN:0302-9743 vol. 11619
47. Benedetti, P., Perri, D., Simonetti, M., Gervasi, O., Reali, G., Femminella, M. **Skin Cancer Classification Using Inception Network and Transfer Learning**, DOI: 10.1007/978-3-030-58799-4\_39, pp.536-545, in: Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), vol 12249 (2020)
48. Tasso, S.; Pallottelli, S.; Gervasi, O.; Sabbatini, F.; Franzoni, V.; Lagana, A.: **Cloud and Local Servers for a Federation of Molecular Science Learning Object Repositories**. DOI:10.1007/978-3-030-24311-1\_26. pp.359-373. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) - ISBN:978-3-030-24310-4.... In LECTURE NOTES IN ARTIFICIAL INTELLIGENCE - ISSN:0302-9743 vol. 11624
49. Tasso, Sergio; Gervasi, O.; Locchi, A.; Sabbatini, F.: **Hahai: Computational Thinking in Primary Schools**. DOI:10.1007/978-3-030-24296-1\_24. pp.287-298. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) - ISBN:978-3-030-24295-4.... In LECTURE NOTES IN ARTIFICIAL INTELLIGENCE - ISSN:0302-9743 vol. 11620
50. Antonio Laganà, Osvaldo Gervasi, Sergio Tasso, Damiano Perri, Francesco Franciosa: **The ECTN Virtual Education Community Prosumer Model for Promoting and Assessing Chemical Knowledge**. ICCSA (5) 2018: Lecture Notes in Computer Science 10964, pp. 533-548, DOI: 10.1007/978-3-319-95174-4\_42
51. Sergio Tasso, Simonetta Pallottelli, Osvaldo Gervasi, Marina Rui, Antonio Laganà: **Sharing Learning Objects Between Learning Platforms and Repositories**. ICCSA (4) 2018: Lecture Notes in Computer Science 10963, pp. 804-816, DOI: 10.1007/978-3-319-95171-3\_62
52. Sergio Tasso, Simonetta Pallottelli, Osvaldo Gervasi, Razvan Tanase, Marina Rui: **Synchronized Content and Metadata Management in a Federation of Distributed Repositories of Chemical Learning Objects**. ICCSA (3) 2017: Lecture Notes in Computer Science 10406, pp. 14-28, DOI: 10.1007/978-3-319-62398-6\_2
53. Matteo Riganelli, Valentina Franzoni, Osvaldo Gervasi, Sergio Tasso: **EmEx, a Tool for Automated Emotive Face Recognition Using Convolutional Neural Networks**. ICCSA (3) 2017: , Lecture Notes in Computer Science 10406, pp. 692-704, DOI: 10.1007/978-3-319-62398-6\_49

54. Osvaldo Gervasi, Riccardo Magni, Matteo Ferri: **A Method for Predicting Words by Interpreting Labial Movements**. ICCSA (2) 2016: Lecture Notes in Computer Science 9787, pp. 450-464, DOI: 10.1007/978-3-319-42108-7\_34
55. Mirko Mariotti, Osvaldo Gervasi, Flavio Vella, Alessandro Costantini, Alfredo Cuzzocrea: **A DBMS-Based System for Integrating Grids and Clouds: Anatomy, Models, Functionalities**. ICC 2016 2016: 75:1-75:8, ACM, New York, ISBN: 978-1-4503-4063-2 doi>10.1145/2896387.2900327
56. O. Gervasi, R. Magni, A. Riganelli **Mixed Reality for Improving Tele-rehabilitation Practices**. ICCSA (1) 2015, Lecture Notes in Computer Science 9153, pp. 569-580 DOI: 10.1007/978-3-319-21404-7\_42, online ISBN: 978-3-319-21404-7 (2015)
57. O. Gervasi, R. Magni, S. Macellari, **A Brain Computer Interface for Enhancing the Communication of People with Severe Impairment**, (2014) Lecture Notes in Computer Science 8584, Computational Science and Its Applications – ICCSA 2014, pp. 709-721, DOI: 10.1007/978-3-319-09153-2\_53, ISBN: 978-3-319-09152-5.
58. O. Gervasi, L. Caprini, and G. Maccherani, **Virtual Exhibitions on the Web: From a 2D Map to the Virtual World**, (2013), Lecture Notes in Computer Science 7571, Computational Science and Its Applications – ICCSA 2013, pp. 708-722, DOI: 10.1007/978-3-642-39637-3\_56, ISBN: 978-3-642-39636-6
59. Flavio Vella, Igor Neri, Osvaldo Gervasi and Sergio Tasso, **A Simulation Framework for Scheduling Performance Evaluation on CPU-GPU Heterogeneous System**, (2012) Lecture Notes in Computer Science, Vol. 7336, pag. 457-469, doi=10.1007/978-3-642-31128-4\_34
60. F. Zollo, L. Caprini, O. Gervasi and A. Costantini, **X3DMMS: an X3DOM tool for molecular and material sciences**, (2011), Proceedings of the 16th International Conference on Web 3D Technology, Web3D 2011, Paris, France, June 20-22, 2011, pp. 129-136, ACM New York, NY, USA, ISBN: 978-1-4503-0774-1, DOI: 10.1145/2010425.2010448
61. A. Costantini, O. Gervasi and A. Laganà, **A fault tolerant workflow for CPU demanding calculations**, (2011), Lecture Notes in Computer Science, Vol. 6784, pag. 387-396.
62. A. COSTANTINI; E. GUTIERREZ; J. LOPEZ CACHEIRO; A. RODRIGUEZ; O. GERVASI; A. LAGANA' (2010). **Porting of GROMACS package into the Grid Environment: testing of a new distribution strategy**. LECTURE NOTES IN COMPUTER SCIENCE (ISSN:0302-9743), 41 - 52 6019;
63. Gladys Benigni, Osvaldo Gervasi, Francesco Luca Passeri, Tai-Hoon Kim (2010). **USABAGILE Web: A Web Agile Usability Approach for Web Site Design**. LECTURE NOTES IN COMPUTER SCIENCE (ISSN:0302-9743), 422-431 6017;
64. Franzoni V., Gervasi O., Tasso S., Pallottelli S. (2008). **Web Usability on the Nintendo Wii Platform**. LECTURE NOTES IN COMPUTER SCIENCE (ISSN:0302-9743), 105-118 5073;
65. S. TASSO, O. GERVASI, F. SCOLASTRA, G. COLETTI (2008). **Perception based representation of Female Avatar**. In: Lecture Notes in computer Science. Springer-Verlag, BERLIN HEIDELBERG: 105-118, 5073, 30 giugno - 3 luglio 2008. Perugia, italy,

## Edited scientific Journal:

Prof. Osvaldo Gervasi is editor in chief of the **International Journal of Grid and Distributed Computing**, ISSN: 2005-4262 (Print), ISSN: 2207-6379 (Online), Publisher: **NADIA**, Management Office: PO Box 5075, Sandy Bay, Tasmania 7005 Australia.



## Edited Proceedings books

- I. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino, Carmelo Maria Torre: Computational Science and Its Applications - ICCSA 2021 - 21st International Conference, Cagliari, Italy, September 13-16, 2021, Proceedings, Part I. Lecture Notes in Computer Science 12949, Springer 2021, ISBN 978-3-030-86652-5
- II. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino, Carmelo Maria Torre: Computational Science and Its Applications - ICCSA 2021 - 21st International Conference,

- Cagliari, Italy, September 13-16, 2021, Proceedings, Part II. Lecture Notes in Computer Science 12950, Springer 2021, ISBN 978-3-030-86959-5
- III. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino, Carmelo Maria Torre: Computational Science and Its Applications - ICCSA 2021 - 21st International Conference, Cagliari, Italy, September 13-16, 2021, Proceedings, Part III. Lecture Notes in Computer Science 12951, Springer 2021, ISBN 978-3-030-86969-4
  - IV. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino, Carmelo Maria Torre: Computational Science and Its Applications - ICCSA 2021 - 21st International Conference, Cagliari, Italy, September 13-16, 2021, Proceedings, Part IV. Lecture Notes in Computer Science 12952, Springer 2021, ISBN 978-3-030-86972-4
  - V. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino, Carmelo Maria Torre: Computational Science and Its Applications - ICCSA 2021 - 21st International Conference, Cagliari, Italy, September 13-16, 2021, Proceedings, Part V. Lecture Notes in Computer Science 12953, Springer 2021, ISBN 978-3-030-86975-5
  - VI. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino, Carmelo Maria Torre: Computational Science and Its Applications - ICCSA 2021 - 21st International Conference, Cagliari, Italy, September 13-16, 2021, Proceedings, Part VI. Lecture Notes in Computer Science 12954, Springer 2021, ISBN 978-3-030-86978-6
  - VII. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino, Carmelo Maria Torre: Computational Science and Its Applications - ICCSA 2021 - 21st International Conference, Cagliari, Italy, September 13-16, 2021, Proceedings, Part VII. Lecture Notes in Computer Science 12955, Springer 2021, ISBN 978-3-030-87006-5
  - VIII. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino, Carmelo Maria Torre: Computational Science and Its Applications - ICCSA 2021 - 21st International Conference, Cagliari, Italy, September 13-16, 2021, Proceedings, Part VIII. Lecture Notes in Computer Science 12956, Springer 2021, ISBN 978-3-030-87009-6
  - IX. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino, Carmelo Maria Torre: Computational Science and Its Applications - ICCSA 2021 - 21st International Conference, Cagliari, Italy, September 13-16, 2021, Proceedings, Part IX. Lecture Notes in Computer Science 12957, Springer 2021, ISBN 978-3-030-87012-6
  - X. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino, Carmelo Maria Torre: Computational Science and Its Applications - ICCSA 2021 - 21st International Conference, Cagliari, Italy, September 13-16, 2021, Proceedings, Part X. Lecture Notes in Computer Science 12958, Springer 2021, ISBN 978-3-030-87015-7
  - XI. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino, Carmelo Maria Torre, Yeliz Karaca: Computational Science and Its Applications - ICCSA 2020 - 20th International Conference, Cagliari, Italy, July 1-4, 2020, Proceedings, Part I. Lecture Notes in Computer Science 12249, Springer 2020, ISBN 978-3-030-58798-7
  - XII. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino, Carmelo Maria Torre, Yeliz Karaca: Computational Science and Its Applications - ICCSA 2020 - 20th International Conference, Cagliari, Italy, July 1-4, 2020, Proceedings, Part II. Lecture Notes in Computer Science 12250, Springer 2020, ISBN 978-3-030-58801-4 [contents]
  - XIII. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino, Carmelo Maria Torre, Yeliz Karaca: Computational Science and Its Applications - ICCSA 2020 -20th International

- Conference, Cagliari, Italy, July 1-4, 2020, Proceedings, Part III. Lecture Notes in Computer Science 12251, Springer 2020, ISBN 978-3-030-58807-6 [contents]
- XIV. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino, Carmelo Maria Torre, Yeliz Karaca: Computational Science and Its Applications - ICCSA 2020 - 20th International Conference, Cagliari, Italy, July 1-4, 2020, Proceedings, Part IV. Lecture Notes in Computer Science 12252, Springer 2020, ISBN 978-3-030-58810-6 [contents]
- XV. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino, Carmelo Maria Torre, Yeliz Karaca: Computational Science and Its Applications - ICCSA 2020 - 20th International Conference, Cagliari, Italy, July 1-4, 2020, Proceedings, Part V. Lecture Notes in Computer Science 12253, Springer 2020, ISBN 978-3-030-58813-7 [contents]
- XVI. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino, Carmelo Maria Torre, Yeliz Karaca: Computational Science and Its Applications - ICCSA 2020 20th International Conference, Cagliari, Italy, July 1-4, 2020, Proceedings, Part VI. Lecture Notes in Computer Science 12254, Springer 2020, ISBN 978-3-030-58816-8 [contents]
- XVII. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Chiara Garau, Ivan Blečić, David Taniar, Bernady O. Apduhan, Ana Maria A. C. Rocha, Eufemia Tarantino, Carmelo Maria Torre, Yeliz Karaca: Computational Science and Its Applications - ICCSA 2020 20th International Conference, Cagliari, Italy, July 1-4, 2020, Proceedings, Part VII. Lecture Notes in Computer Science 12255, Springer 2020, ISBN 978-3-030-58819-9 [contents]
- XVIII. Sanjay Misra, Osvaldo Gervasi, Beniamino Murgante, Elena N. Stankova, Vladimir Korkhov, Carmelo Maria Torre, Ana Maria A. C. Rocha, David Taniar, Bernady O. Apduhan, Eufemia Tarantino: Computational Science and Its Applications - ICCSA 2019 - 19th International Conference, Saint Petersburg, Russia, July 1-4, 2019, Proceedings, Part I. Lecture Notes in Computer Science 11619, Springer 2019, ISBN 978-3-030-24288-6
- XIX. Sanjay Misra, Osvaldo Gervasi, Beniamino Murgante, Elena N. Stankova, Vladimir Korkhov, Carmelo Maria Torre, Ana Maria A. C. Rocha, David Taniar, Bernady O. Apduhan, Eufemia Tarantino: Computational Science and Its Applications - ICCSA 2019 - 19th International Conference, Saint Petersburg, Russia, July 1-4, 2019, Proceedings, Part II. Lecture Notes in Computer Science 11620, Springer 2019, ISBN 978-3-030-24295-4
- XX. Sanjay Misra, Osvaldo Gervasi, Beniamino Murgante, Elena N. Stankova, Vladimir Korkhov, Carmelo Maria Torre, Ana Maria A. C. Rocha, David Taniar, Bernady O. Apduhan, Eufemia Tarantino: Computational Science and Its Applications - ICCSA 2019 - 19th International Conference, Saint Petersburg, Russia, July 1-4, 2019, Proceedings, Part III. Lecture Notes in Computer Science 11621, Springer 2019, ISBN 978-3-030-24301-2
- XXI. Sanjay Misra, Osvaldo Gervasi, Beniamino Murgante, Elena N. Stankova, Vladimir Korkhov, Carmelo Maria Torre, Ana Maria A. C. Rocha, David Taniar, Bernady O. Apduhan, Eufemia Tarantino: Computational Science and Its Applications - ICCSA 2019 - 19th International Conference, Saint Petersburg, Russia, July 1-4, 2019, Proceedings, Part IV. Lecture Notes in Computer Science 11622, Springer 2019, ISBN 978-3-030-24304-3
- XXII. Sanjay Misra, Osvaldo Gervasi, Beniamino Murgante, Elena N. Stankova, Vladimir Korkhov, Carmelo Maria Torre, Ana Maria A. C. Rocha, David Taniar, Bernady O. Apduhan, Eufemia Tarantino: Computational Science and Its Applications - ICCSA 2019 - 19th International Conference, Saint Petersburg, Russia, July 1-4, 2019, Proceedings, Part V. Lecture Notes in Computer Science 11623, Springer 2019, ISBN 978-3-030-24307-4
- XXIII. Sanjay Misra, Osvaldo Gervasi, Beniamino Murgante, Elena N. Stankova, Vladimir Korkhov, Carmelo Maria Torre, Ana Maria A. C. Rocha, David Taniar, Bernady O. Apduhan, Eufemia Tarantino: Computational Science and Its Applications - ICCSA 2019 - 19th International Conference, Saint Petersburg, Russia, July 1-4, 2019, Proceedings, Part VI. Lecture Notes in Computer Science 11624, Springer 2019, ISBN 978-3-030-24310-4
- XXIV. Sanjay Misra, Osvaldo Gervasi, Beniamino Murgante, Elena N. Stankova, Vladimir Korkhov, Carmelo Maria Torre, Ana Maria A. C. Rocha, David Taniar, Bernady O. Apduhan, Eufemia Tarantino: 19th International Conference on Computational Science and Its Applications, ICCSA 2019, Saint Petersburg, Russia, July 1-4, 2019, Part VII. IEEE 2019, ISBN 978-1-7281-2847-4

- XXV. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Elena N. Stankova, Carmelo Maria Torre, Ana Maria A. C. Rocha, David Taniar, Bernady O. Apduhan, Eufemia Tarantino, Yeonseung Ryu: Computational Science and Its Applications - ICCSA 2018 - 18th International Conference, Melbourne, VIC, Australia, July 2-5, 2018, Proceedings, Part I. Lecture Notes in Computer Science 10960, Springer 2018, ISBN 978-3-319-95161-4
- XXVI. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Elena N. Stankova, Carmelo Maria Torre, Ana Maria A. C. Rocha, David Taniar, Bernady O. Apduhan, Eufemia Tarantino, Yeonseung Ryu: Computational Science and Its Applications - ICCSA 2018 - 18th International Conference, Melbourne, VIC, Australia, July 2-5, 2018, Proceedings, Part II. Lecture Notes in Computer Science 10961, Springer 2018, ISBN 978-3-319-95164-5
- XXVII. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Elena N. Stankova, Carmelo Maria Torre, Ana Maria A. C. Rocha, David Taniar, Bernady O. Apduhan, Eufemia Tarantino, Yeonseung Ryu: Computational Science and Its Applications - ICCSA 2018 - 18th International Conference, Melbourne, VIC, Australia, July 2-5, 2018, Proceedings, Part III. Lecture Notes in Computer Science 10962, Springer 2018, ISBN 978-3-319-95167-6
- XXVIII. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Elena N. Stankova, Carmelo Maria Torre, Ana Maria A. C. Rocha, David Taniar, Bernady O. Apduhan, Eufemia Tarantino, Yeonseung Ryu: Computational Science and Its Applications - ICCSA 2018 - 18th International Conference, Melbourne, VIC, Australia, July 2-5, 2018, Proceedings, Part IV. Lecture Notes in Computer Science 10963, Springer 2018, ISBN 978-3-319-95170-6
- XXIX. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Elena N. Stankova, Carmelo Maria Torre, Ana Maria A. C. Rocha, David Taniar, Bernady O. Apduhan, Eufemia Tarantino, Yeonseung Ryu: Computational Science and Its Applications - ICCSA 2018 - 18th International Conference, Melbourne, VIC, Australia, July 2-5, 2018, Proceedings, Part V. Lecture Notes in Computer Science 10964, Springer 2018, ISBN 978-3-319-95173-7
- XXX. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Elena N. Stankova, Carmelo Maria Torre, Ana Maria A. C. Rocha, David Taniar, Bernady O. Apduhan, Eufemia Tarantino, Yeonseung Ryu: 18th International Conference on Computational Science and Applications, ICCSA 2018, Melbourne, Australia, Australia, July 2-5, 2018, Proceedings, Part VI. IEEE 2018, ISBN 978-1-5386-7214-3
- XXXI. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Giuseppe Borruso, Carmelo Maria Torre, Ana Maria A. C. Rocha, David Taniar, Bernady O. Apduhan, Elena N. Stankova, Alfredo Cuzzocrea: Computational Science and Its Applications - ICCSA 2017 - 17th International Conference, Trieste, Italy, July 3-6, 2017, Proceedings, Part I. Lecture Notes in Computer Science 10404, Springer 2017, ISBN 978-3-319-62391-7
- XXXII. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Giuseppe Borruso, Carmelo Maria Torre, Ana Maria A. C. Rocha, David Taniar, Bernady O. Apduhan, Elena N. Stankova, Alfredo Cuzzocrea: Computational Science and Its Applications - ICCSA 2017 - 17th International Conference, Trieste, Italy, July 3-6, 2017, Proceedings, Part II. Lecture Notes in Computer Science 10405, Springer 2017, ISBN 978-3-319-62394-8
- XXXIII. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Giuseppe Borruso, Carmelo Maria Torre, Ana Maria A. C. Rocha, David Taniar, Bernady O. Apduhan, Elena N. Stankova, Alfredo Cuzzocrea: Computational Science and Its Applications - ICCSA 2017 - 17th International Conference, Trieste, Italy, July 3-6, 2017, Proceedings, Part III. Lecture Notes in Computer Science 10406, Springer 2017, ISBN 978-3-319-62397-9
- XXXIV. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Giuseppe Borruso, Carmelo Maria Torre, Ana Maria A. C. Rocha, David Taniar, Bernady O. Apduhan, Elena N. Stankova, Alfredo Cuzzocrea: Computational Science and Its Applications - ICCSA 2017 - 17th International Conference, Trieste, Italy, July 3-6, 2017, Proceedings, Part IV. Lecture Notes in Computer Science 10407, Springer 2017, ISBN 978-3-319-62400-6
- XXXV. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Giuseppe Borruso, Carmelo Maria Torre, Ana Maria A. C. Rocha, David Taniar, Bernady O. Apduhan, Elena N. Stankova, Alfredo Cuzzocrea: Computational Science and Its Applications - ICCSA 2017 - 17th International Conference, Trieste, Italy, July 3-6, 2017, Proceedings, Part V. Lecture Notes in Computer Science 10408, Springer 2017, ISBN 978-3-319-62403-7



- XXXVI. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Giuseppe Borruso, Carmelo Maria Torre, Ana Maria A. C. Rocha, David Taniar, Bernady O. Apduhan, Elena N. Stankova, Alfredo Cuzzocrea: *Computational Science and Its Applications - ICCSA 2017 - 17th International Conference, Trieste, Italy, July 3-6, 2017, Proceedings, Part VI. Lecture Notes in Computer Science 10409, Springer 2017, ISBN 978-3-319-62406-8*
- XXXVII. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Giuseppe Borruso, Carmelo Maria Torre, Ana Maria A. C. Rocha, David Taniar, Bernady O. Apduhan, Elena N. Stankova, Alfredo Cuzzocrea: *Computational Science and Its Applications - ICCSA 2017 - 17th International Conference, Trieste, Italy, July 3-6, 2017 [Proceedings, Part VII, IEEE Xplore Proceedings]. IEEE 2017, ISBN 978-1-5386-3893-4*
- XXXVIII. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Ana Maria Alves Coutinho Rocha, Carmelo Maria Torre, David Taniar, Bernady O. Apduhan, Elena N. Stankova, Shangguang Wang: *Computational Science and Its Applications - ICCSA 2016 - 16th International Conference, Beijing, China, July 4-7, 2016, Proceedings, Part I. Lecture Notes in Computer Science 9786, Springer 2016, ISBN 978-3-319-42084-4*
- XXXIX. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Ana Maria Alves Coutinho Rocha, Carmelo Maria Torre, David Taniar, Bernady O. Apduhan, Elena N. Stankova, Shangguang Wang: *Computational Science and Its Applications - ICCSA 2016 - 16th International Conference, Beijing, China, July 4-7, 2016, Proceedings, Part II. Lecture Notes in Computer Science 9787, Springer 2016, ISBN 978-3-319-42107-0*
- XL. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Ana Maria Alves Coutinho Rocha, Carmelo Maria Torre, David Taniar, Bernady O. Apduhan, Elena N. Stankova, Shangguang Wang: *Computational Science and Its Applications - ICCSA 2016 - 16th International Conference, Beijing, China, July 4-7, 2016, Proceedings, Part III. Lecture Notes in Computer Science 9788, Springer 2016, ISBN 978-3-319-42110-0*
- XLI. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Ana Maria A. C. Rocha, Carmelo Maria Torre, David Taniar, Bernady O. Apduhan, Elena N. Stankova, Shangguang Wang: *Computational Science and Its Applications - ICCSA 2016 - 16th International Conference, Beijing, China, July 4-7, 2016, Proceedings, Part IV. Lecture Notes in Computer Science 9789, Springer 2016, ISBN 978-3-319-42088-2*
- XLII. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Ana Maria A. C. Rocha, Carmelo Maria Torre, David Taniar, Bernady O. Apduhan, Elena N. Stankova, Shangguang Wang: *Computational Science and Its Applications - ICCSA 2016 - 16th International Conference, Beijing, China, July 4-7, 2016, Proceedings, Part V. Lecture Notes in Computer Science 9790, Springer 2016, ISBN 978-3-319-42091-2*
- XLIII. Osvaldo Gervasi, [Beniamino Murgante](#), [Sanjay Misra](#), [Marina L. Gavrilova](#), [Ana Maria Alves Coutinho Rocha](#), [Carmelo Maria Torre](#), [David Taniar](#), [Bernady O. Apduhan](#): **Computational Science and Its Applications - ICCSA 2015 - 15th International Conference, Banff, AB, Canada, June 22-25, 2015, Proceedings, Part I. [Lecture Notes in Computer Science](#) 9155, Springer 2015, ISBN 978-3-319-21403-0 (2015)**
- XLIV. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Marina L. Gavrilova, Ana Maria Alves Coutinho Rocha, Carmelo Maria Torre, David Taniar, Bernady O. Apduhan: **Computational Science and Its Applications - ICCSA 2015 - 15th International Conference, Banff, AB, Canada, June 22-25, 2015, Proceedings, Part II. Lecture Notes in Computer Science 9156, Springer 2015, ISBN 978-3-319-21406-1 (2015)**
- XLV. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Marina L. Gavrilova, Ana Maria Alves Coutinho Rocha, Carmelo Maria Torre, David Taniar, Bernady O. Apduhan, Bernady O. Apduhan: **Computational Science and Its Applications - ICCSA 2015 - 15th International Conference, Banff, AB, Canada, June 22-25, 2015, Proceedings, Part III. Lecture Notes in Computer Science 9157, Springer 2015, ISBN 978-3-319-21469-6 (2015)**
- XLVI. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Marina L. Gavrilova, Ana Maria Alves Coutinho Rocha, Carmelo Maria Torre, David Taniar, Bernady O. Apduhan: **Computational Science and Its Applications - ICCSA 2015 - 15th International Conference, Banff,**



- AB, Canada, June 22-25, 2015, Proceedings, Part IV. Lecture Notes in Computer Science 9158, Springer 2015, ISBN 978-3-319-21409-2 (2015)
- XLVII. Osvaldo Gervasi, Beniamino Murgante, Sanjay Misra, Marina L. Gavrilova, Ana Maria Alves Coutinho Rocha, Carmelo Maria Torre, David Taniar, Bernady O. Apduhan:  
**Computational Science and Its Applications - ICCSA 2015 - 15th International Conference, Banff, AB, Canada, June 22-25, 2015, Proceedings, Part V. Lecture Notes in Computer Science 9159, Springer 2015, ISBN 978-3-319-21412-2 (2015)**
- XLVIII. S. Misra, B. Apduhan, M. Gavrilova, D. Taniar, O. Gervasi, and B. Murgante, **Computational Science and Its Applications (ICCSA)**, IEEE Computer Society Los Alamitos, CA (USA), ISBN-13: 978-1-4673-7367-8 (2015)
- XLIX. Beniamino Murgante ,Sanjay Misra, Ana Maria A.C. Rocha, Carmelo Torre, Jorge Gustavo Rocha, Maria Irene Falcão, David Taniar Bernady O. Apduhan, Osvaldo Gervasi, (2014) **Computational Science and Its Applications**, Lecture Notes in Computer Science, Vol. 8579, Springer Verlag, ISBN: 978-3-319-09143-3 (2014)
- L. Beniamino Murgante ,Sanjay Misra, Ana Maria A.C. Rocha, Carmelo Torre, Jorge Gustavo Rocha, Maria Irene Falcão, David Taniar Bernady O. Apduhan, Osvaldo Gervasi, **Computational Science and Its Applications**, Lecture Notes in Computer Science, Vol. 8580, Springer Verlag, ISBN: 978-3-319-09128-0 (2014)
- LI. Beniamino Murgante ,Sanjay Misra, Ana Maria A.C. Rocha, Carmelo Torre, Jorge Gustavo Rocha, Maria Irene Falcão, David Taniar Bernady O. Apduhan, Osvaldo Gervasi, **Computational Science and Its Applications**, Lecture Notes in Computer Science, Vol. 8581, Springer Verlag, ISBN: 978-3-319-09149-5 (2014)
- LII. Beniamino Murgante ,Sanjay Misra, Ana Maria A.C. Rocha, Carmelo Torre, Jorge Gustavo Rocha, Maria Irene Falcão, David Taniar Bernady O. Apduhan, Osvaldo Gervasi, **Computational Science and Its Applications**, Lecture Notes in Computer Science, Vol. 8582, Springer Verlag, ISBN: 978-3-319-09146-4 (2014)
- LIII. Beniamino Murgante ,Sanjay Misra, Ana Maria A.C. Rocha, Carmelo Torre, Jorge Gustavo Rocha, Maria Irene Falcão, David Taniar Bernady O. Apduhan, Osvaldo Gervasi, **Computational Science and Its Applications**, Lecture Notes in Computer Science, Vol. 8583, Springer Verlag, ISBN: 978-3-319-09152-5 (2014)
- LIV. Beniamino Murgante ,Sanjay Misra, Ana Maria A.C. Rocha, Carmelo Torre, Jorge Gustavo Rocha, Maria Irene Falcão, David Taniar Bernady O. Apduhan, Osvaldo Gervasi (2014), **Computational Science and Its Applications**, Lecture Notes in Computer Science, Vol. 8584, Springer Verlag, ISBN: 978-3-319-09155-6
- LV. S. Misra, B. Apduhan, M. Gavrilova, D. Taniar, O. Gervasi, and B. Murgante, **Computational Science and Its Applications (ICCSA 2014)**, IEEE Computer Society Los Alamitos, CA (USA), ISBN-978-1-4799-4264-0 (2014)
- LVI. Beniamino Murgante ,Sanjay Misra, Maurizio Carlini, Carmelo Torre, Hong Quang Nguyen, David Taniar Bernady O. Apduhan, Osvaldo Gervasi, **Computational Science and Its Applications**, Lecture Notes in Computer Science, Vol. 7971, Springer Verlag, ISBN: 978-3-642-39636-6 (2013)
- LVII. Beniamino Murgante ,Sanjay Misra, Maurizio Carlini, Carmelo Torre, Hong Quang Nguyen, David Taniar Bernady O. Apduhan, Osvaldo Gervasi, **Computational Science and Its Applications**, Lecture Notes in Computer Science, Vol. 7972, Springer Verlag, ISBN: 978-3-642-39642-7 (2013)
- LVIII. Beniamino Murgante ,Sanjay Misra, Maurizio Carlini, Carmelo Torre, Hong Quang Nguyen, David Taniar Bernady O. Apduhan, Osvaldo Gervasi, **Computational Science and Its Applications**, Lecture Notes in Computer Science, Vol. 7973, Springer Verlag, ISBN: 978-3-642-39645-8 (2013)
- LIX. Beniamino Murgante ,Sanjay Misra, Maurizio Carlini, Carmelo Torre, Hong Quang Nguyen, David Taniar Bernady O. Apduhan, Osvaldo Gervasi, **Computational Science and Its Applications**, Lecture Notes in Computer Science, Vol. 7974, Springer Verlag, ISBN: : 978-3-642-39648-9 (2013)
- LX. Beniamino Murgante ,Sanjay Misra, Maurizio Carlini, Carmelo Torre, Hong Quang Nguyen, David Taniar Bernady O. Apduhan, Osvaldo Gervasi, **Computational Science and Its Applications**, Lecture Notes in Computer Science, Vol. 7975, Springer Verlag, ISBN: 978-3-642-39639-7 (2013)
- LXI. Murgante B., Gervasi O., Misra S., Nedjah N., Rocha A.M.A.C., Taniar D. and Apduhan B.O., **Computational Science and Its Applications**, Lecture Notes in Computer Science, Vol. 7333, Springer Verlag, ISBN: 978-3-642-31125-3 (2012)

- LXII. Murgante B., Gervasi O., Misra S., Nedjah N., Rocha A.M.A.C., Taniar D. and Apduhan B.O., **Computational Science and Its Applications**, Lecture Notes in Computer Science, Vol. 7334, Springer Verlag, ISBN: 978-3-642-31075-1 (2012)
- LXIII. Murgante B., Gervasi O., Misra S., Nedjah N., Rocha A.M.A.C., Taniar D. and Apduhan B.O., **Computational Science and Its Applications**, Lecture Notes in Computer Science, Vol. 7335, Springer Verlag, ISBN: 978-3-642-31137-6 (2012)
- LXIV. Murgante B., Gervasi O., Misra S., Nedjah N., Rocha A.M.A.C., Taniar D. and Apduhan B.O., **Computational Science and Its Applications**, Lecture Notes in Computer Science, Vol. 7336, Springer Verlag, ISBN: 978-3-642-31128-4 (2012)
- LXV. Bernady O. Apduhan, Mirco Ragni, Sanjay Misra, Osvaldo Gervasi, David Taniar and Beniamino Murgante **Proceedings of the 12th International Conference on Computational Science and Applications** IEEE Computer Society Los Alamitos, CA (USA), ISBN-13: 978-0-7695-4710-7 (2012)
- LXVI. Tai-hoon Kim, Hyun-seob Cho, Osvaldo Gervasi, Stephen S. Yau, **Computer Applications for Graphics, Grid Computing, and Industrial Environment**, International Conferences, GDC, IESH and CGAG 2012, Held as Part of the Future Generation Information Technology Conference, FGIT 2012, Gangneung, Korea, December 16-19, 2012. Communications in Computer and Information Science v.351, Proceedings Springer 2012
- LXVII. Murgante B., Gervasi O., Iglesias A., Taniar D. and Apduhan B.O., **Computational Science and Its Applications**, Lecture Notes in Computer Science, Vol. 6782, Springer Verlag, ISBN 978-3-642-21927-6 (2011)
- LXVIII. Murgante B., Gervasi O., Iglesias A., Taniar D. and Apduhan B.O., **Computational Science and Its Applications**, Lecture Notes in Computer Science, Vol. 6783, Springer Verlag, ISBN: 978-3-642-21887-3 (2011)
- LXIX. Murgante B., Gervasi O., Iglesias A., Taniar D. and Apduhan B.O., **Computational Science and Its Applications**, Lecture Notes in Computer Science, Vol. 6784, Springer Verlag, ISBN: 978-3-642-21931-3 (2011)
- LXX. Murgante B., Gervasi O., Iglesias A., Taniar D. and Apduhan B.O., **Computational Science and Its Applications**, Lecture Notes in Computer Science, Vol. 6785, Springer Verlag, ISBN: 978-3-642-21898-9
- LXXI. Murgante B., Gervasi O., Iglesias A., Taniar D. and Apduhan B.O., **Computational Science and Its Applications**, Lecture Notes in Computer Science, Vol. 6786, Springer Verlag, ISBN: 978-3-642-21934-4 (2011)
- LXXII. Andres Iglesias and Bernady O. Apduhan and Osvaldo Gervasi and David Taniar and Marina Gavrilova, **2011 International Conference on Computational Science and Its Applications**, IEEE Computer Society, Conference Publishing System, Los Alamitos, CA (USA), doi=10.1109/ICCSA.2011.1 (2011)
- LXXIII. Bernady O. Apduhan, Osvaldo Gervasi, Andres Iglesias, David Taniar, Marina Gavrilova **Proceedings of the 10th International Conference on Computational Science and Applications** IEEE Computer Society Los Alamitos, CA (USA) ISBN: 9780769539997 (2010)
- LXXIV. Tai-Hoon Kim, Stephen S. Yau, Osvaldo Gervasi, Byeong Ho Kang, Adrian Stoica, Dominik Slezak: **Grid and Distributed Computing, Control and Automation** - International Conferences, GDC and CA 2010, Held as Part of the Future Generation Information Technology Conference, FGIT 2010, Jeju Island, Korea, December 13-15, 2010. Communications in Computer and Information Science v.121, Proceedings Springer 2010
- LXXV. G. S. Tomar, Ruay-Shiung Chang, Osvaldo Gervasi, Tai-hoon Kim, Samir Kumar Bandyopadhyay, **Advanced Computer Science and Information Technology**, Second International Conference, AST 2010, Miyazaki, Japan, June 23-25, 2010. Communications in Computer and Information Science v.121, Proceedings Springer, ISBN: 978-3-642-13345-9, 2010
- LXXVI. David Taniar, Osvaldo Gervasi, Beniamino Murgante, Eric Pardede, Bernady O. Apduhan **Computational Science and Its Applications** Springer Verlag Berlin Heidelberg, LNCS Vol. 6019, ISBN: 9783642121883 (2010)
- LXXVII. David Taniar, Osvaldo Gervasi, Beniamino Murgante, Eric Pardede, Bernady O. Apduhan **Computational Science and Its Applications** Springer Verlag Berlin Heidelberg, LNCS Vol. 6018, ISBN: 9783642121784 (2010)
- LXXVIII. David Taniar, Osvaldo Gervasi, Beniamino Murgante, Eric Pardede, Bernady O. Apduhan. **Computational Science and Its Applications** Springer Verlag Berlin Heidelberg, LNCS Vol. 6017, ISBN: 9783642121647 (2010)

- LXXIX. David Taniar, Osvaldo Gervasi, Beniamino Murgante, Eric Pardede, Bernady O. Apduhan **Computational Science and Its Applications** Springer Verlag Berlin Heidelberg, LNCS Vol. 6016, ISBN: 9783642121555 (2010)
- LXXX. Osvaldo Gervasi, David Taniar, Youngsong Mun, Andres Iglesias, Marina Gavrilova, **Selected Papers of the International Conference on Computational Science and Applications** IEEE Computer Society Los Alamitos, CA (USA) ISBN: 9780769537016 (2009)
- LXXXI. Osvaldo Gervasi, David Taniar, Beniamino Murgante, Antonio Lagana', Youngsong Mun, Marina L. Gavrilova, **Computational Science and Its Applications** Springer Verlag Berlin Heidelberg, LNCS Vol. 5593, ISBN: 9783642024566 (2009)
- LXXXII. Osvaldo Gervasi, David Taniar, Beniamino Murgante, Antonio Lagana', Youngsong Mun, Marina L. Gavrilova **Computational Science and Its Applications** Springer Verlag Berlin Heidelberg, LNCS Vol. 5592, ISBN: 9783642024535 (2009)
- LXXXIII. Dominik Slezak, Tai-Hoon Kim, Stephen S. Yau, Osvaldo Gervasi, Byeong Ho Kang, Adrian Stoica, **Grid and Distributed Computing** - International Conference, GDC 2009, Held as Part of the Future Generation Information Technology Conferences, FGIT 2009, Jeju Island, Korea, December 10-12, 2009. Communications in Computer and Information Science v.63, Proceedings Springer (2009)
- LXXXIV. M. Gavrilova, O. Gervasi, A. Lagana', Y. Mun, A. Iglesias, **2008 International Conference on Computational Sciences and Its Applications** IEEE Computer Society Conference Publishing System (CPS) New York (NY, USA) ISBN: 9780769532431
- LXXXV. O. Gervasi, B. Murgante, A. Lagana', D. Taniar, Y. Mun, M. Gavrilova (2008) **Computational Science and Its Applications** Springer Verlag Berlin Heidelberg Vol. 5073, ISBN: 9783540698401
- LXXXVI. O. Gervasi, B. Murgante, A. Lagana', D. Taniar, Y. Mun, M. Gavrilova, **Computational Science and Its Applications** Springer Verlag Berlin Heidelberg Vol. 5072, ISBN: 9783540698388 (2008)
- LXXXVII. Marina L. Gavrilova, Osvaldo Gervasi, Antonio Lagana', Youngsong Mun, Andrés Iglesias: **Selected Papers of the Sixth International Conference on Computational Sciences and Its Applications**, ICCSA '08, Perugia, Italy, June 30 - July 3, 2008. IEEE Computer Society 2008, ISBN 978-0-7695-3243-1 (2008)
- LXXXVIII. Osvaldo Gervasi, Marina L. Gavrilova: **Computational Science and Its Applications** - ICCSA 2007, International Conference, Kuala Lumpur, Malaysia, August 26-29, 2007. Proceedings, Part I. Lecture Notes in Computer Science 4705, Springer 2007, ISBN 978-3-540-74468-9 (2007)
- LXXXIX. Osvaldo Gervasi, Marina L. Gavrilova: **Computational Science and Its Applications** - ICCSA 2007, International Conference, Kuala Lumpur, Malaysia, August 26-29, 2007. Proceedings, Part II. Lecture Notes in Computer Science 4706, Springer 2007, ISBN 978-3-540-74475-7 (2007)
- XC. Osvaldo Gervasi, Marina L. Gavrilova: **Computational Science and Its Applications** - ICCSA 2007, International Conference, Kuala Lumpur, Malaysia, August 26-29, 2007. Proceedings. Part III. Lecture Notes in Computer Science 4707, Springer 2007, ISBN 978-3-540-74482-5, (2007)
- XCi. Marina L. Gavrilova, Osvaldo Gervasi: **Selected Papers of the Fifth International Conference on, Computational Science and its Applications**, ICCSA 2007, Kuala Lumpur, Malaysia, August 26-29 2007. IEEE Computer Society 2007, ISBN 0-7695-2945-3, (2007)
- XCII. Marina L. Gavrilova, Osvaldo Gervasi, Vipin Kumar, Chih Jeng Kenneth Tan, David Taniar, Antonio Lagana', Youngsong Mun, Hyunseung Choo: **Computational Science and Its Applications** - ICCSA 2006, International Conference, Glasgow, UK, May 8-11, 2006, Proceedings, Part I. Lecture Notes in Computer Science 3980, Springer 2006, ISBN 3-540-34070-X (2006)
- XCIII. Marina L. Gavrilova, Osvaldo Gervasi, Vipin Kumar, Chih Jeng Kenneth Tan, David Taniar, Antonio Lagana', Youngsong Mun, Hyunseung Choo: **Computational Science and Its Applications** - ICCSA 2006, International Conference, Glasgow, UK, May 8-11, 2006, Proceedings, Part II. Lecture Notes in Computer Science 3981, Springer 2006, ISBN 3-540-34072-6 (2006)
- XCIV. Marina L. Gavrilova, Osvaldo Gervasi, Vipin Kumar, Chih Jeng Kenneth Tan, David Taniar, Antonio Lagana', Youngsong Mun, Hyunseung Choo: **Computational Science and Its Applications** - ICCSA 2006, International Conference, Glasgow, UK, May 8-11, 2006, Proceedings, Part III. Lecture Notes in Computer Science 3982, Springer 2006, ISBN 3-540-34075-0 (2006)
- XCV. Marina L. Gavrilova, Osvaldo Gervasi, Vipin Kumar, Chih Jeng Kenneth Tan, David Taniar, Antonio Lagana', Youngsong Mun, Hyunseung Choo: **Computational Science and Its Applications** - ICCSA 2006, International Conference, Glasgow, UK, May 8-11, 2006, Proceedings, Part IV. Lecture Notes in Computer Science 3983, Springer 2006, ISBN 3-540-34077-7 (2006)
- XCVI. Marina L. Gavrilova, Osvaldo Gervasi, Vipin Kumar, Chih Jeng Kenneth Tan, David Taniar, Antonio Lagana', Youngsong Mun, Hyunseung Choo: **Computational Science and Its Applications** - ICCSA

- 2006, International Conference, Glasgow, UK, May 8-11, 2006, Proceedings, Part V. Lecture Notes in Computer Science 3984, Springer 2006, ISBN 3-540-34079-3 (2006)
- XCVII. Osvaldo Gervasi, Marina L. Gavrilova, Vipin Kumar, Antonio Laganà, Heow Pueh Lee, Youngsong Mun, David Taniar, Chih Jeng Kenneth Tan: **Computational Science and Its Applications** - ICCSA 2005, International Conference, Singapore, May 9-12, 2005, Proceedings, Part I. Lecture Notes in Computer Science 3480, Springer, ISBN 3-540-25860-4 (2005)
- XCVIII. Osvaldo Gervasi, Marina L. Gavrilova, Vipin Kumar, Antonio Laganà, Heow Pueh Lee, Youngsong Mun, David Taniar, Chih Jeng Kenneth Tan: **Computational Science and Its Applications** - ICCSA 2005, International Conference, Singapore, May 9-12, 2005, Proceedings, Part II. Lecture Notes in Computer Science 3481, Springer, ISBN 3-540-25861-2 (2005)
- XCIX. Osvaldo Gervasi, Marina L. Gavrilova, Vipin Kumar, Antonio Laganà, Heow Pueh Lee, Youngsong Mun, David Taniar, Chih Jeng Kenneth Tan: **Computational Science and Its Applications** - ICCSA 2005, International Conference, Singapore, May 9-12, 2005, Proceedings, Part III. Lecture Notes in Computer Science 3482, Springer, ISBN 3-540-25862-0 (2005)
- C. Osvaldo Gervasi, Marina L. Gavrilova, Vipin Kumar, Antonio Laganà, Heow Pueh Lee, Youngsong Mun, David Taniar, Chih Jeng Kenneth Tan: **Computational Science and Its Applications** - ICCSA 2005, International Conference, Singapore, May 9-12, 2005, Proceedings, Part IV. Lecture Notes in Computer Science 3483, Springer, ISBN 3-540-25863-9 (2005)
- CI. Antonio Laganà, Marina L. Gavrilova, Vipin Kumar, Youngsong Mun, Chih Jeng Kenneth Tan, Osvaldo Gervasi: **Computational Science and Its Applications** - ICCSA 2004, International Conference, Assisi, Italy, May 14-17, 2004, Proceedings, Part I. Lecture Notes in Computer Science 3043, Springer 2004, ISBN 3-540-22054-2 (2004)
- CII. Antonio Laganà, Marina L. Gavrilova, Vipin Kumar, Youngsong Mun, Chih Jeng Kenneth Tan, Osvaldo Gervasi: **Computational Science and Its Applications** - ICCSA 2004, International Conference, Assisi, Italy, May 14-17, 2004, Proceedings, Part II. Lecture Notes in Computer Science 3044, Springer, ISBN 3-540-22056-9 (2004)
- CIII. Antonio Laganà, Marina L. Gavrilova, Vipin Kumar, Youngsong Mun, Chih Jeng Kenneth Tan, Osvaldo Gervasi: **Computational Science and Its Applications** - ICCSA 2004, International Conference, Assisi, Italy, May 14-17, 2004, Proceedings, Part III. Lecture Notes in Computer Science 3045, Springer, ISBN 3-540-22057-7 (2004)
- CIV. Antonio Laganà, Marina L. Gavrilova, Vipin Kumar, Youngsong Mun, Chih Jeng Kenneth Tan, Osvaldo Gervasi: **Computational Science and Its Applications** - ICCSA 2004, International Conference, Assisi, Italy, May 14-17, 2004, Proceedings, Part IV. Lecture Notes in Computer Science 3046, Springer, ISBN 3-540-22060-7 (2004)