

Informatics Europe

The European Voice of Informatics Research and Education

2023 New Members Special Session – May 11, 2023

Prof. Kim Mens – IE Board members
Nuria Anguera – IE Executive Director
Karin Triviere – Membership Management

Agenda

- **Brief introduction round**
- Informatics Europe in a nutshell
- Q&A session

Participant Introduction



Recent Members

- **Daniel Pallacios Alonso** - Universidad Rey Juan Carlos
- **Sandra Lovrencic** - University of Zagreb
- **Henry Muccini & Davide di Ruscio** - University of L'Aquila
- **Magda Tsintsadze & Manana Khachidze** - Iv. Javakhishvili
Tbilisi State University
- **Yannick Rochat** – University of Lausanne

Participant Introduction



New IE representatives

- **Filippo Lanubile** - University of Bari Aldo Moro
- **Riccardo Torlone** - Università degli Studi Roma Tre
- **Elpida Keravnou** - University of Cyprus

Potential Future Members

- **Toon Calders** - University of Antwerp
- **Damian Hubaux & Jean-Christophe Deprez** - CETIC
- **Bruno Dumas** - University of Namur

Agenda

- Brief introduction round
- **Informatics Europe in a nutshell**
 - **The organization**
 - Our Activities and services
- Open discussion

Informatics Europe, our origins

- Born after the 1st ECSS conference in Zurich in 2005, modelled after **CRA** (Computing Research Association) **in the US**.
- We are a **non-profit membership association**.
- Since 2006, we represent the **public and private research community on informatics*** in Europe and neighbouring countries.
- Our members are **institutions** such as departments, institutes, faculties, research labs and companies.
- Membership extends to **all faculty** of your institution **and researchers** of your lab (IE representative has key dissemination role).
- Founded as a Dept. Heads and Deans organization, IE gradually evolved towards a more inclusive **Informatics Leaders community**.

* Informatics is the preferred term in Europe for what is known as Computing / Computer Science in other parts of the world.

Today we represent ca. 45K researchers,
teaching > 500K students

Over 170 Institutions
from > 30 Countries,

Avg. growth rate of 14%

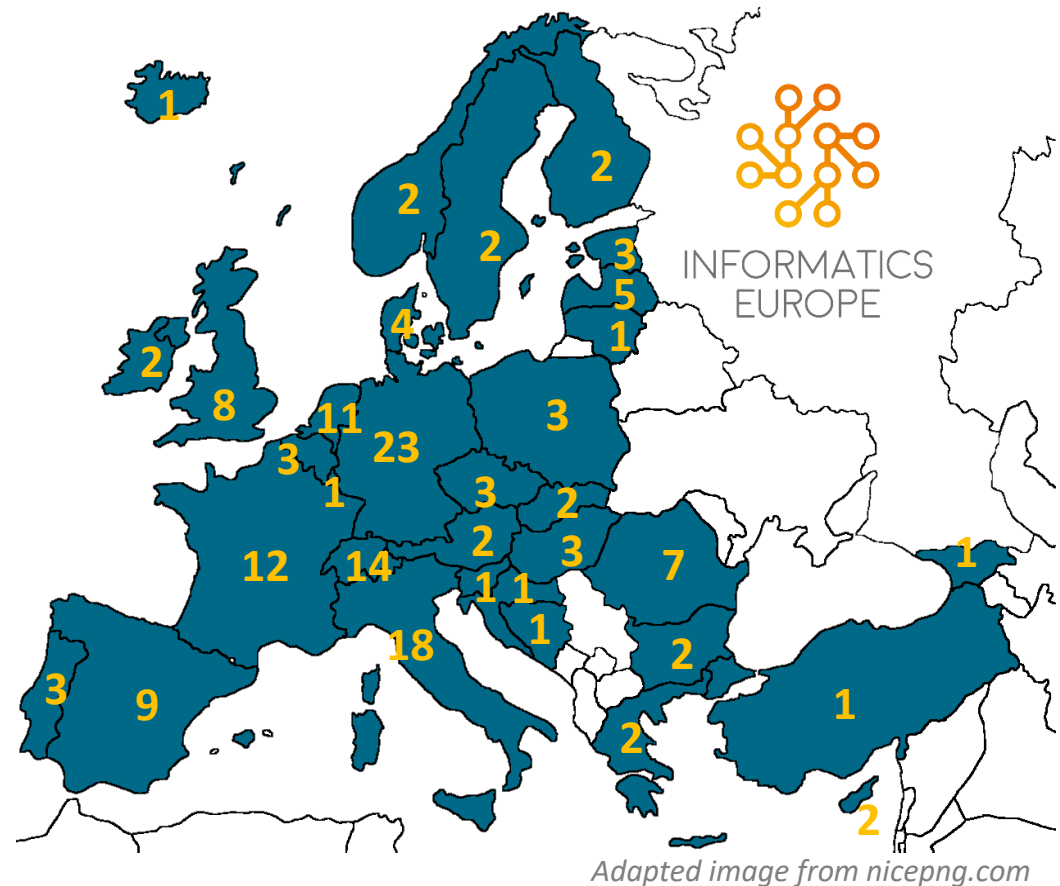


**The more we are the
louder our voice is!**

Full member's list on [our website](#)

*Assuming an average of 7 pp/research group and 10, 20 resp. 50 research groups per small, medium resp. large institution.

Map numbers do not consider industry members



Leveraging variety to foster concerted positions benefiting Europe's research

IE **fosters unity in variety**, creating and representing a strong common European voice to

- foster **pan-European knowledge transfer & collaboration** between academia, industry and society, including government and public institutions
- promote **concerted positions** and **act on shared priorities** in the areas of Education, Research, and Social Impact of informatics
- **shape public policy** by producing policy documents that relate to any of the goals of the organisation.

Steered by Scientists at the service of the Informatics community - Our Board



Enrico Nardelli
Università di Roma 'Tor Vergata'
IE President Education



Jean-Marc Jézéquel
IRISA/University of Rennes
IE Vice President Policy recommendations



Elisabetta Di Nitto
Politecnico di Milano
IE Vice President Diversity



Gregor Engels
Paderborn University
IE Treasurer



Marco Aiello
University of Stuttgart
Sustainability



Lenuta Alboaie
Alexandru Ioan Cuza University of Iași
Industry Engagement



Přemek Brada
University of West Bohemia
Data Analysis & Reporting



Dick Bulterman
CWI/VU Amsterdam
Webinars



Manuel Carro
Technical University of Madrid / IMDEA
Open Science



Gordana Dodig-Crnkovic
Chalmers University of Technology
Societal Impact



Harald Gall
University of Zurich
Department Evaluations



Dimka Karastoyanova
University of Groningen
Early Career Researchers



Kim Mens
Université catholique de Louvain
Membership



Viorel Negru
West University of Timisoara
Membership



Pekka Orponen
Aalto University
NIA relations



Nuria Anguera
IE Executive Director



Administrated by 2.6 FTE: IE Office



Nuria ANGUERA
Executive Director

Responsibilities:

- Overall strategy, operations, projects and activities
- Relations with Industry
- Membership Committee



Karin TRIVIERE
Admin. & Accounting

Responsibilities:

- Membership Management
- Accounting
- ECSS Organization
- Office General Administration



Kit Wan CHUI
Communication

Responsibilities:

- Communications
- Relations with National Informatics Associations
- Academic Empowerment (courses, Webinars, etc.)



Svetlana TIKHONENKO
Web, Data & Analysis

Responsibilities:

- Analytics & Data Portal
- CV repository
- EUGAIN GHM
- Webpage management

Webpage link

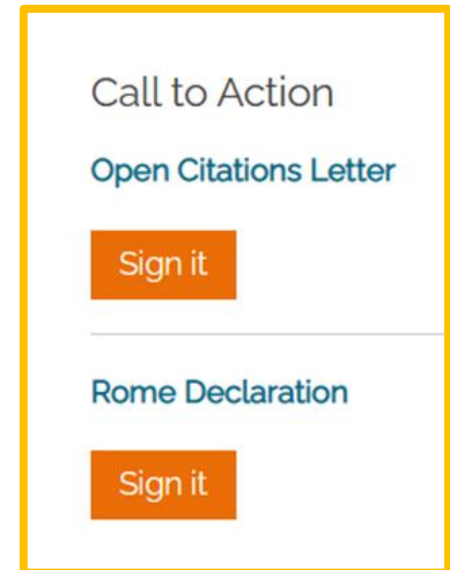


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Policy recommendations empowering members in developing own strategies

- With the collaboration of our member **National Informatics Associations**;
- On issues that relate to any of the goals of the organisation, **at the European level**
- Aiming at **empowering**
 - IE member institutions
 - National policies
 - European Commission decisions
- Outcomes: statements, positions, reports, ... but also open **calls to action**



Top European Informatics expertise shaping the future of the discipline

Working Areas / Groups

- Education Research
- Ethics
- WIRE ⇒ Diversity & Inclusion
- Open Science
- Data Analysis & reporting
- Sustainability
- Early Career Researchers



Partnerships



DIGHUM



EU funded Projects



Inclusion4EU

IE Activities & Services

Community empowerment through IE services



Click on the pictures to follow the links

Further exploring some IE activities and services ...

Webpage link



IE publications: policy recommendations, reports, best practice booklets, articles

Public Consultation on European Digital Principles



Feedback provided by Informatics Europe to the European Commission for [public consultation](#) on the formulation of a set of principles to promote and uphold EU values in the digital space.

Submitted to the European Commission on 2 Sep 2021.

[IE-Feedback-EC-European Digital Principles.pdf](#)

Details

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File Size: 117.49 kB

Date: 02 September 2021

Bridging the Digital Talent Gap: Towards Successful Industry-University Partnerships



This report presents the results of the discussions held during the [workshop Bridging the Digital Talent Gap: Towards Successful Industry-University Partnerships](#) organized by Informatics Europe and the European Commission's Directorate-General for Communications Networks, Content and Technology (DG CONNECT) in Rome on October 2019.

[bridging-digital-talent-gap-report.pdf](#)

Details

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File Size: 673.44 kB

Date: 02 April 2020

Feedback on the Draft Report "Computing Curricula 2020"



Feedback provided by Informatics Europe on the Draft Report of the [Computing Curricula 2020 \(CC2020\)](#) task force. CC2020 is a joint project launched by professional computing societies to examine the current curricular guidelines for academic degree programs in Computing and provide a vision for the future of Computing.

Submitted to the CC2020 Steering Committee on 15 June 2020.

[IE-comments-CC-2020.pdf](#)

Details

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File Size: 134.96 kB

Date: 18 June 2020

Informatics as a Fundamental Discipline for the 21st Century



The article published in the "Communication of the ACM" journal describes the current state of the Informatics education at the European scene, outlines main statements, actions and outcomes of the Informatics for All Initiative and explains main challenges related to the realization of the Informatics for All Strategy across Europe.

[CACM_Informatics_All.pdf](#)

Details

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File Size: 6.22 MB

Date: 04 April 2019

European Values for Ethics in Digital Technology



The research report on European Values for Ethics in Technology is the first Intellectual Output of the [Ethics4EU project](#). Digital Ethics deals with the impact of digital Information and Communication Technologies (ICT) on our societies and the environment at large. It covers a wide spectrum of societal impacts including issues such as data governance, privacy and personal data, Artificial Intelligence (AI), algorithmic decision-making and pervasive technologies.

[European-Values-for-Ethics-in-Digital-Technology.pdf](#)

Details

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File Size: 1.42 MB

Date: 08 April 2021

Informatics Research Evaluation



Report on Informatics Research Evaluation prepared by the Informatics Europe [Research Evaluation Working Group](#). The report focuses mainly on the main principles and criteria that should be followed when individual researchers are evaluated for their research activity in the field of Informatics, addressing the specificities of this area. It confirms the findings of the 2008 report on Research Evaluation for Computer Science, while incorporating recent developments concerning the growing emphasis on collaborative, transparent, reproducible and accessible research.

A [summary](#) is openly accessible by following [this link](#).

[Logged in](#) IE members can download the [full report](#) using the link below:

[Informatics-Research-Evaluation-2018.pdf](#)

Details

Download

File Size: 1.03 MB

Date: 22 March 2018

Webpage link

Informatics in Schools activities

Fostering high-quality education in Informatics is one of the pillars of Informatics Europe. We are committed to **promoting informatics education as one of the fundamentals in modern education across Europe**. Here are some of our activity and achievement highlights:

[CECE's Map of Informatics in European Schools, in partnership with ACM Europe](#) >

[Establishment of Informatics for All initiative, workshops & position paper](#) >

[Informatics Reference Framework for School](#) >

[IE at EU Commission Expert Group on AI and Data in Education and Training](#) >

We also run **petitions to advocate informatics for all at the European level**, and support national associations in doing the same at their local level. Take action and sign them!

- [Rome Declaration](#): join us to make Informatics accessible to all, **throughout Europe**.
- [Joint manifesto "Por la Informática en España"](#), supporting our member institutions [SCIE](#), and [CODDII](#) to promote the extension of informatics education at all levels of the educational system **in Spain**.

Webpage link



Recent outcomes of the I4All coalition

Designing and Implementing a Concrete Informatics Curriculum for School



This document focuses on pedagogical issues and related concerns that should be considered when using the [Informatics Reference Framework for School](#) for the development of concrete curricula.

It is, in fact, of utmost importance to have concrete curricula designed to take into account particular situations and needs in each country, as well as accommodating age and appropriate stages of development of pupils. An informatics curriculum should be designed for all pupils; equality, diversity and inclusion issues are crucial, including the important issue of gender balance.

[Details](#)
[Download](#)

 [Designing-and-Implementing-a-Concrete-Informatics-Curriculum-for-School.pdf](#)

File Size: 888.99 kB

Date: 16 December 2022

Informatics Reference Framework for School



The Reference Framework was published in February 2022 as a report to support the advancement of informatics as a fundamental discipline for the 21st century. It is a publication of the Informatics for All coalition, of which Informatics Europe is one of the founding members since 2018.

This Reference Framework has been presented to European Commission and further discussed at a stakeholder consultation meeting, on 6th April in Brussels, in preparation for a Council Recommendation on improving the provision of digital skills in education and training.

[Details](#)
[Download](#)

Webpage link



IE Higher Education Data Portal and Data Analysis & Reporting WG



Higher Education Data Portal



The Informatics Higher Education Data Portal is a project of Informatics Europe created with the goal of providing our members, the Informatics academic community, policymakers, industry and other stakeholders a complete and reliable picture of the state of Informatics (Computer Science, Computing, IT, ICT) higher education in Europe. Informatics Europe empowers our community by providing the precise and objective information that is indispensable for understanding the field and making informed, effective policy decisions in Europe.

What is Available?

This portal presents a wealth of fundamental data including:

- **Statistics** of students enrolled and degrees awarded at Bachelor's, Master's and PhD level, including gender distribution in absolute numbers and percentages, both at Research Universities and Universities of Applied Sciences.
- **Academic salaries** reported at the level of PhD Candidate, Postdoctoral Researcher and several Professor ranks in selected countries (available only to Informatics Europe members).

Beyond the statistics, a range of qualitative data that supplements and complements the statistics is presented, including:

- **Subjects (Study Programmes)**: list of terms identifying Informatics study programmes in each country.
- **Institutions**: list of universities and academic units offering Informatics higher education in each country, including University names, Department/Faculty/School/Institute names and direct hyperlinks to their websites.
- **Higher Education Systems**: description of the higher education system in each country.
- **Academic Positions & Titles**: comparative analysis of some key academic positions - PhD Candidate, Postdoctoral Researcher and Professor – and corresponding employment details in selected countries.

Statistics

Subjects

Institutions & Academic Units

Higher Education Systems

Academic Positions & Titles

Academic Salaries

Download Data (Only For Members)

Webpage link



Ethics Activities

Take the Ethics Survey



The Project

The Ethics4EU Project is an Erasmus+ international project that explores issues around teaching ethics in Computer Science. Ethics4EU has developed new curricula, best practices and learning resources for Digital Ethics for Computer Science lecturers. It follows a "train the trainer" model for up-skilling Computer Science lecturers across Europe.

Ethics Working Group

Long-term Goals

- Create a sustainable European Community of Practice in Informatics ethics
- Ensure that the importance of teaching ethics in Informatics degree courses is recognized
- Increase literacy on ethics among Informatics lecturers
- Increase literacy on ethics among decision-makers (CEOs, policymakers political organizations)

WG Operation

- Chair: [Dympna O'Sullivan](#), TU Dublin, Ireland
- Secretary: [Gordana Dodig-Crnkovic](#), Chalmers University of Technology, Sweden
- Next meetings: TBA

2022 - 2023 Objectives and Related Activities

- Identify gaps in Informatics lecturers' knowledge of ethics
- Better understand the European landscape in relation to teaching practices for Ethics in Informatics and related disciplines
- Raise awareness about the importance of teaching Ethics to students in Informatics and related disciplines
- Disseminate best practices in teaching Ethics to Informatics students

Activity 1: Survey - Teaching Practices for Ethics in Informatics >

Activity 2: Community of Practice - Instruction of Ethics >

Activity 3: Best Practice Repository (April 2023 – September 2023) >

Webpage link



CECE's Map of Informatics in European Schools

A joint project by  acm Europe and



DIGHUM

Inclusion4EU

Diversity & Inclusion Activities



2023 Minerva Informatics Equality Award

Supporting female careers in informatics research and education



Google EUR 5,000 Prize



Home /
EUGAIN
European Network For
Gender Balance in
Informatics

Diversity and Inclusion Working Group

Long-term Goals

- Contribute to designing software systems that behave respecting diversity.
- Ensure the diversity dimension is considered in the education process of Informatics Europe members.
- Defining best practices to cope with diversity through inclusion in Informatics.

WG Operation

- Chair: [Simona Motogna](#), Babeş-Bolyai University, Romania.
- Secretary: [Claire Matti](#), Haute école pédagogique du canton de Vaud, Switzerland.
- Next meeting: May 2nd

2022 - 2023 Objectives and Activities

- Creating awareness about the problems, challenges, and values of diversity;
- Acting as a collector of European initiatives on diversity and inclusion in Informatics Research and Education.
- Start a network of interested parties.

Activity 1: Mapping of current initiatives – November 2022 – April 2023 >

Activity 2: Best Practices booklet – April 2023 – July 2023 >

Activity 3: Repository creation – December 2022 – July 2023 >

Webpage link



Open Science Activities

IE Open Science Working Group

As part of its mission **to give unbiased information and to agglutinate and balance diverse opinions**, Informatics Europe formed in 2021 an Open Science Working Group, in an attempt to clarify the main actors and trends behind Open Science. This Working Group inherits ideas and aims from the [Leaders Workshop](#) session that took place during [ECSS 2021](#) in Madrid, and where some very interesting opinions were presented. It currently consists of the following Task Forces:

- Open Science and Data Research Management
- Open Access
- Conference Maturity Model
- Open Code Repositories
- [Open Citations Initiative](#)

Outcome

Open Access: Status and Recommendations



This document summarizes the evolution of scientific publication models towards providing open access to research results and makes recommendations from an academic standpoint on future action paths.

 [open-access-status-and-recommendations.pdf](#)

Details

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File Size: 2.49 MB

Date: 08 May 2023

Webpage link



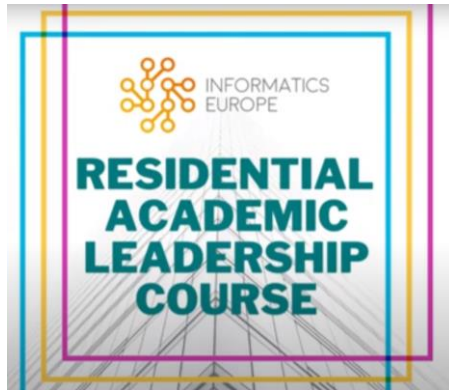
Department Evaluation Service

- Conducted by internationally recognised researchers in the field, with experience in evaluation.
- An exclusive, neutral, peer-review driven evaluation process based on the standards and experiences of Informatics Europe.
- Offers **an unbiased and transparent way of assessing the research activities of a given institution.**
- Provides a thorough analysis of strengths, opportunities, and areas for improvement.
- **A multidimensional approach where "research" is not limited to research results:** aspects such as research management, research policy, research facilities, Ph.D.-training, and the societal relevance of research are considered integral parts of the quality of the work of an institution and its programs.
- Informatics Europe member institutions benefit from discount rates.

Webpage link



Career development services



Next cohort:

27-30 June 2023 in Austria



Now open for your students to upload profiles

Job Portal

Free posting for IE members!

Search the Informatics Job Platform

Job Title

Employer

City

Country
Choose ▼

Job Description

Early Career Researchers Workshop



ECSS, annual gathering of Informatics R&E policymakers, at all levels



- the only summit to discuss **common strategic and policy issues** in informatics shared across Europe;
- covers topics such as education, research, funding, entrepreneurship, management, and career development;
- 2023 full program available soon; registration opens early June.

Our final call

**IE is ALL of US,
be active in IE activities, and
an ambassador in your institution!!!**

Endorse IE recommendations



Call to Action

Open Citations Letter

Sign it

Rome Declaration

Sign it

Use IE Services & Resources



- [ECSS](#)
- [Academic Leadership courses](#)
- [Department Evaluation](#)
- [Webinar series](#)
- [Higher Education Data Portal](#)
- [Job platform](#)
- [CV Repository](#)
- [Publications](#)

Nominate Board candidates



Call for Board Nominations

Requirements & process

Apply

Join IE WGs



Current Activity areas:

- Research in Education (39 people, from 29 institutions)
- Ethics (19 people, from 12 institutions)
- Diversity & Inclusion (16 people, from 13 institutions)
- Data Analysis & Reporting (12 people, from 10 institutions)
- Policy Recommendations (6 people, incl. repr. of 5 NIAs)
- Sustainability (13 people, from 11 institutions)
- Open Science (19 people, from 17 institutions)

Let's make our voice louder!



As a member, be our ambassador and invite other institutions to join / contact us.

If not yet a member :

- Take a look at membership benefits and conditions
- Fill in the application form
- Encourage your institution colleagues to engage in IE activities and
 - contribute in shaping the European Agenda of Informatics Research and Education
 - Make the most of IE membership benefits

Agenda

- Brief introduction round
- Informatics Europe in a nutshell
- **Q&A Session**

Open Discussion

- Questions
- Areas/activities of interest
- Feedback

Thank you for joining us today

If you have questions regarding membership please
contact karin.triviere@informatics-europe.org



Prof. Kim Mens – IE Board members
Nuria Anguera – IE Executive Director
Karin Triviere – Membership Management