Informatics for All – an overview

Wendy Hall

European Computer Science Summit

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Informatics for All Steering Committee

- Chair: Wendy Hall
- ACM Europe
  - Judith Gal-Ezer, Andrew McGettrick
- Informatics Europe
  - Michael Caspersen, Enrico Nardelli (IE President)
- CEPIS
  - Gerald Futschek, Austeja Trinkunaite / Ulrik Locke
- IFIP (TC3)
  - Don Passey, Mary Webb
- Advisor: Bobby Schnabel

http://www.informaticsforall.org
Background

- *Informatics for All* is a Coalition, consisting presently of ACM Europe, Informatics Europe, CEPIS (the Council of European Professional Informatics Societies), and IFIP (Technical Committee 3 on education)
- Following an extensive survey of the state of Informatics education across Europe, a strategy for *Informatics for All* had been produced and launched.
- See [europe.acm.org](http://www.informaticsforall.org)
Informatics Education in Europe: Are We All In The Same Boat?

- Report on the status of Informatics Education, Digital literacy and Teacher training in Europe
- Joint effort of Informatics Europe and ACM Europe Council
- Interactive map cece-map.informatics-europe.org
Two tier strategy

• Informatics has to be seen as an important foundational discipline that should be taught to all students
• Informatics should also be integrated into education of other disciplines in such a way that it leads to a deeper and more meaningful education in these disciplines.
• It supports equality for all, social mobility, education at all levels, the development of the economy of Europe, issues around the Future of Work

http://www.informaticsforall.org
1st Workshop & Rome declaration

• Brussels 20th Feb 2019, attended by 50 participants www.informaticsforall.org/2019-brussels-workshop/

• Then the Rome declaration was produced www.informaticsforall.org/declaration

• It calls upon all European national and international institutions to exercise their moral suasion power so that the principles of Informatics are included as part of school curricula at all levels.

• Available in 12 languages (more to come) and signed by 262 institutions (until now)
2nd Workshop

• Held as online event due to Covid
• Aim: to demonstrate support for the European Commission in its Informatics education activities by discussing how best the European scientific community can support the EU in moving forward
• Around 55 participants; again, mainly experts in Informatics education from across Europe

https://www.informaticsforall.org/2020-workshop/
Current Activity

• The Steering Committee members are very conscious of the fact that all countries / educational regions have responsibility for their own curricula

• To provide assistance, the group has decided to embark on producing an Informatics Curriculum Framework for school education

• This has to be seen as being at a higher level than any curriculum document but it should offer guidance and challenge those designing curricula

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Teacher Education

• The education of teachers has been identified as a vitally important topic that Inf4All will have to address with some urgency

• Consideration is being given to a further Workshop where teacher education will form the main agenda item

• Watch this space!!

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The PISA Science framework

• Preliminary work is under way within OECD to scope the new PISA science assessment framework

• *Informatics for All* is represented on the PISA group looking at developing this

• An initial Strategic Vision Report reflected thinking and identified Informatics as a possible novel areas

• Final decision is awaited

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The ITICSE Conference

• The Innovation and Technology in Computer Science Education (ITiCSE) conference, due to take place in Trondheim, Norway on 15-19\textsuperscript{th} June 2020, was held virtually

• It was supported by ACM Europe and Informatics for All, via best paper award and the doctoral consortium; members of Informatics for All serve on the Organizing Committee

• There were 390 registrants; the previous record had been 274 in Aberdeen in 2019

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