

# Digital Identity & Privacy 2007

Maastricht 16-17 October 2007

*Human Capital & Social Innovation Technology Summit 16-19 October 2007*

## Managing digital identities for education, employment and business development

Already a key enabler today for eBusiness and eGovernment, *identity management (IDM)* is fast becoming a central element of the social and business fabric. Education, training, business development, human resources management, and knowledge management are in urgent need of the information security, privacy and trust that IDM can provide. IDM is essential to the further expansion of network boundaries, access points, innovative practices and technologies. It is central to the emergence of *digital identities* that bring a whole new dimension to our existing identities and the way we interact with other people and organisations.

From the very first digital records of our pre-natal scans to our death certificates, through the data collected by diverse agencies and organisations on our behalf during our life, and through the blogs we have kept, the emails sent, the internet searches performed, each one of us now leaves an increasingly significant digital footprint in cyberspace. Visible or invisible, left consciously or not, this collection of data, when aggregated, contributes to the definition of one's identity. It is clear that an individual's own editing of personal information, as in an ePortfolio or a personal profile within a social network, will be very different from that carried out, for example, by an employer 'googling' prospective employees, tracking their activities as citizens, and possibly inferring health problems from their visible activities in self-advocacy groups... Anonymity, privacy, authentication and trust are critical rights and protections to enforce if we wish to provide individuals with the means to control their *digital identities*, while enabling institutions, businesses and employers to exploit fairly this invaluable source of information.

Digital identity is also a question of education - the education of children as well as educators, human resource managers, chief learning officers, employees and policy makers. We need to maintain in good form the digital representation of our selves, our *digital selves* just as we do our physical selves with sports and physical education. Could developing an agile digital self for maximising one's contribution to society be one of the goals of modern education?

DIP 2007, as part of the Human Capital & Social Innovation Technology Summit, aims at addressing the issue of digital identity management and privacy from the point of view of the individual and the organisation. This year's principal theme is: **Managing digital identities for education,**

**employment and business development.** The event comprises:

- **DIP 2007** – Digital Identity and Privacy (16-17 October)
- **Plugfest** (17 October) – to explore current and future progress in the domain of digital identity, CV and ePortfolio interoperability under the aegis of Concordia, a Liberty Alliance initiative.
- **Exhibition** (17-19 October)
- **Human Resources Technology Conference** (17 October).
- **ePortfolio Conference** (18-19 October)

### Call for contributions

We invite the submission of papers that report original academic or industrial research and practice in digital identity in the areas of lifelong learning, employment and business development. All papers will be peer-reviewed and published in the conference proceedings. Best papers will be selected to make an extended version to be published in a special issue of a scientific journal.

The first day is focused on the needs of, and challenges faced by, private and public bodies as well as individuals in the construction and exploitation of digital identities. We aim to explore the broader implications for individuals seeking to control the digital representation of their identity and its potential uses – and misuses – with a particular focus on the field of education, training, human resources management and knowledge management, in the perspective of individual and organisational development.



The second day is focused on the underpinning technologies and will address issues such as interoperability, trust, authentication, federation of identities and federation of services.

**The technical, legal and societal challenges and responses that will be discussed are:**

1. **Legal and regulatory aspects** of identity, privacy, confidentiality: policy and regulation enforcement
2. **Privacy and confidentiality management** within an organisation: privacy and anonymity, pseudonymity, and unlinkability in Web transactions
3. **Intellectual property rights** management (IPR): ownership of personnel data; balance between organisational and individual ownership; sharing personal attributes with employers; annual review
4. **Privacy enhanced technology** in education and employment: access control to personal data – private, protected, public
5. **Identity management** by an organisation and across sectors: federation of services, e.g. in education and employment, public and private, government and business; risks and benefits
6. **Identity management** by individuals: multiple identities management, federation of identities
7. **Trust and authentication**: personally identifiable information identification and authentication, of individuals and organisations; data sources, assessment methodology for identity attributes; modelling in online transactions; certification and accreditation
8. **Exploitation of digital identities** and profiles, e.g. user profiling, data mining, linking data and records, intelligence
9. **Education** of stakeholders, from kindergarten to retirement, from parents to employers, etc.
10. **Social networks** and software, data sharing, including peer-to-peer, collective intelligence
11. **Integrity** of personal data, information resilience and survivability
12. **Self-auditing and privacy enhancing tools**: metrics; identification of sensitive fields and data; risk/vulnerability assessment; data sanitizing and privacy enhancing protection against data injection; unwanted data mining and inference attacks; making risk management visible to users; usability of current IDM and tools.
13. **Interoperability** and system architecture, standards, conformance testing

### **Types of sessions**

The review of conference submissions is organised around 2 main tracks: an academic track with peer reviewed research papers and a practitioner track with peer reviewed case studies, work in progress and posters.

If you would like to run your own event, e.g. workshop or tutorial, please send your proposals to the organiser - special fees might apply. Proposals for these events should be written in a style attractive to potential participants indicating clearly the topic, objectives, preferred date, duration, and background knowledge expected of the participants, experience of the presenters as well as one or more abstracts.

### **Conference Location**

The venue, MECC (Maastricht Exhibition Conference Centre, <http://www.mecc.nl>), is located within the city of Maastricht, which is easily accessible by train (Thalys), plane (Aachen, Brussels or Eindhoven) and car.

### **Organisation committee**

Co-chairs: Luk Vervenne, Synergetics; Marc Van Coillie, EIFEL

### **Important Dates**

- 15 July 2007 – Deadline for receipt of full and short paper submissions
- 30 August 2007 – Review completed and notification to authors
- 15 September 2007 – Author registration deadline
- 15 September 2007 – Deadline for camera ready papers for inclusion in the proceedings and the conference papers.

### **Submission guidelines**

Each submission must explicitly address the issues stated

above. During the sessions the presenters will have the opportunity to state their individual contribution to these issues that will be the input for further debate and recommendations.

Contributions submitted should include a title, a long abstract (up to 1,500 words) that will be used for the selection process and references.

- Full paper (8 pages): full papers are detailed descriptions of scientific work – with or without 10-20 minutes presentation, including question time.
- Short paper (4 pages): short description of ongoing or beginning work, topics for discussion, position papers, thesis descriptions – with or without 10-20 minutes presentation, including question time.
- Case study (2-5 pages) – with or without 10-20 minutes presentation, including question time
- Work-in-progress (2- 5 pages) – with or without 10 minutes presentation, including question time
- Poster - A1 format – a space will be provided in the exhibition area

The submitted papers should be written in English and be formatted according to the conference template <http://events.eife-1.org/ep2007/call/template/>.

Contributions must be uploaded through the conference management portal: [www.conftool.net/ep2007/](http://www.conftool.net/ep2007/)

More information at [events.eife-1.org/HCSIT2007](http://events.eife-1.org/HCSIT2007)