

# Biometric News from Gjøvik

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Norsk Biometri Forum, Oslo  
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# Agenda

## Outline of this report

- FRISC and the Norsk Biometri Forum
- European Association for Biometrics
- EAB-NIST workshop on Biometric Template Protection
- IBPC 2012 and NFIQ2.0
- BIOSIG 2012 - IEEE Conference of the Biometrics Special Interest Group
- COST Action IC 1106
- Next meeting

# FRISC and the Norsk Biometri Forum



- VERDIKT pillar "Security, privacy and vulnerability"
- Duration: 2011-2015 (4 years)
- Open for all interested organizations
- 11 initiating members
  - 6 academic
  - 3 research institutes
  - 1 government agency
  - 1 company
- Network led by Stig Frode Mjølsnes (NTNU)



# Forms of Cooperation

- **Virtual meeting places**

- [www.frisc.no](http://www.frisc.no), Wiki, online calendar, mailing list
- LinkedIn group, Twitter, RSS

- **Physical meeting places**

- bring together researchers and companies,
- networking opportunity,
- exchange of ideas, and
- foster (international) collaboration



## Physical Meeting Places (cont.)

- **Topic groups** ("temagrupper"), two topic groups supported by FRISC per year, topic groups focus on a specific topic, are lead preferably by a person not from academia, and deliver a result, e.g., a report, an application for research funding, new modes of cooperation



# Topic group

## Norsk Biometri Forum

- Topics for the working group
  - are related to biometric research, technologies and applications
- Scope
  - The working group is an open platform dedicated to regular exchange of information related to the field of Biometrics.
  - The target of the working group is the interdisciplinary discussion between research, technology developers, data privacy experts, governmental agencies and operators of Biometric Systems.
  - The group identifies new applications and offers a platform to present latest research results and products.
  - Furthermore the working group is elaborating position papers on dedicated biometric topics



# Topic group

# Norsk Biometri Forum

- Meetings
  - The working group will arrange 2 annual meetings, one in the fall semester (September to November) and one in the spring semester (March to May).
  - Meetings will be hosted at NID, Møllergata 39, 0179 Oslo
- Coffee and Lunch: Kindly provided by NID  
Request for sponsoring to FRISC is possible
- Agenda

Suggestions for topics to be presented at the meetings will be collected by Magnar Aukrust (MoJ). He will be supported by the Norwegian Biometrics Laboratory (NBL).





# Topic group

# Norsk Biometri Forum

- Mailing list
  - Members of the Biometri Forum will be subscribed to a mailing list, which will be used for invitations and circulation of information on Biometrics.
- Please contact me, if you are not subscribed yet (i.e. did not receive an invitation email to **this** meeting)



# Topic group Norsk Biometri Forum

- Website
  - A website announcing future meetings and providing slides from previous meetings is established under the FRISC-website:  
<http://www.frisc.no/frisc-biometrics-forum/>



# European Biometric Association

## **NEW:** „European Association for Biometrics“

### Vision:

- Services for the automated recognition of human identity is of increasing importance to the economic and social welfare
- The European context creates special requirements
- The EAB envisions and strives for a future where biometric and allied technologies are used in the service of Europe and for the benefit of all.

Website: [www.eab.org](http://www.eab.org)



The screenshot shows the homepage of the European Association for Biometrics (EAB). The header includes the EAB logo with the tagline "Human Identity in Europe" and a navigation menu with links for About, Expertise, Events, Information, News/Press, Membership, and Contact. The main content area features a "Next Event" section for "SCANDINAVIAN APPLICATIONS" from 2012-04-12, a "Our partners" section listing TeleTrust and SDW2012, and a central text block titled "EUROPEAN ASSOCIATION FOR BIOMETRICS" which describes the organization's mission and areas of interest. A "European Biometrics Research and Industry Award" section is also present, mentioning the sixth annual award in 2012. The footer contains the copyright notice "© 2012 European Association for Biometrics".

## Mission

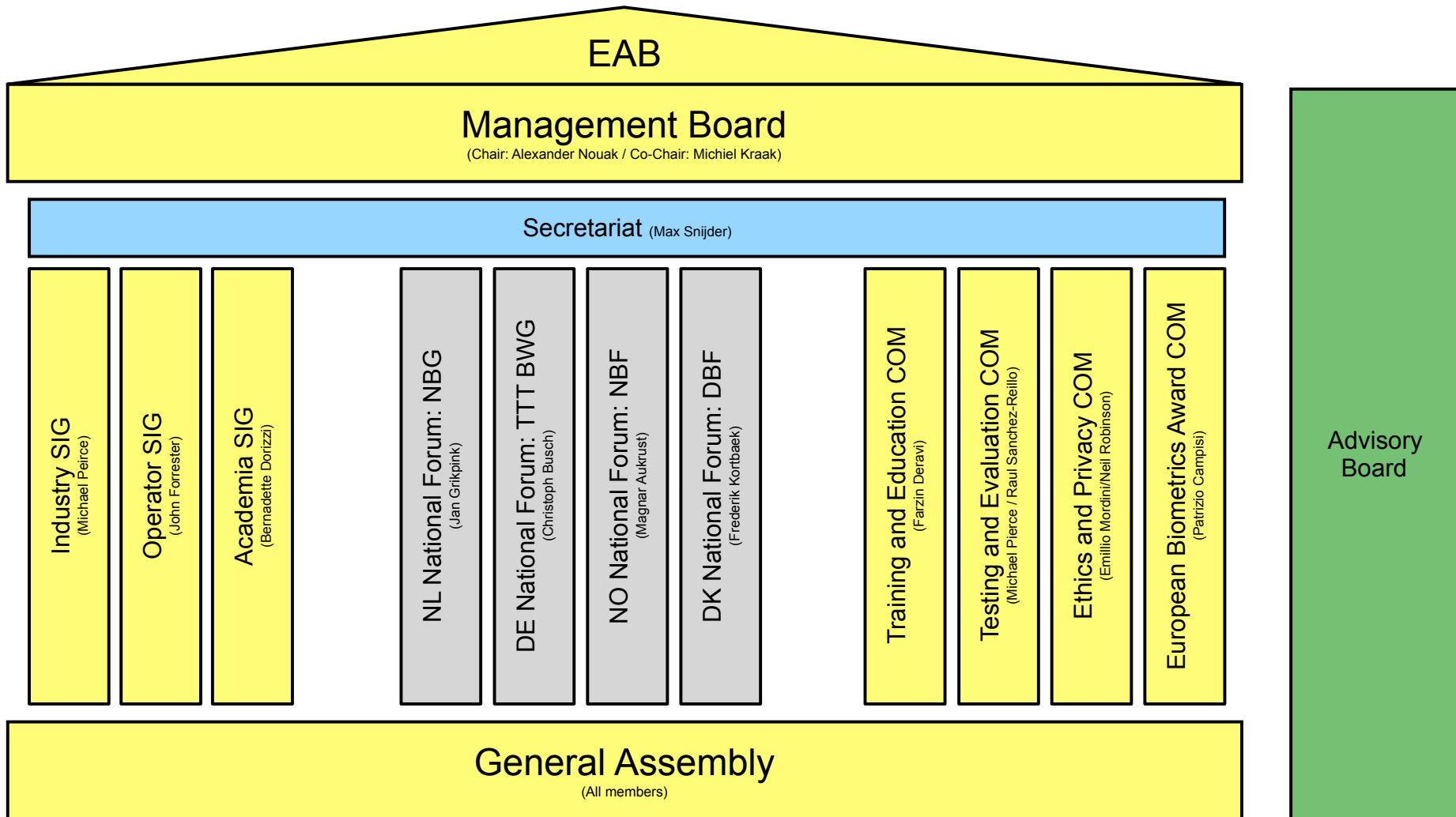
- To advance the proper and beneficial use of biometrics in Europe

## Areas of interest

- Community building
- Training and education
- Research and programme development
- The EAB can set up Committees, Working Groups and Special Interest Groups
- Each area of interest shall have its own drivers and work program, supported and approved by the management board
- Target audiences:  
policy, industry, research & academia and citizens

The EAB is a **non-profit** organisation

The EAB is a **multi stakeholder** platform



# EAB Research Award

## Call for submissions

- EAB is launching the sixth European Biometrics Research and Industry **Award** 2012.
- This prestigious award is granted annually to individuals who have been judged by a panel of internationally experts to be making a significant contribution to the field of biometrics research in Europe
- Submission deadline is: **June 30**, 2012
- Finalist will present September 5, 2012
- More details at: <http://eab.org/expertise/com/award.html>

- The award is kindly sponsored by





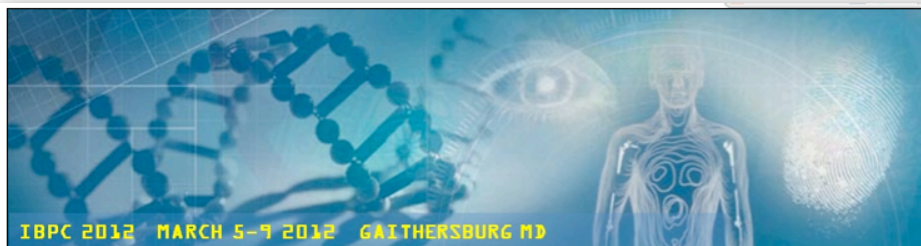
NIST  
International Biometric Performance Conference  
March 5-9, 2012



# NIST IBPC 2012

## 2nd International Biometric Performance Conference

- March 5-9, 2012 in Gaithersburg, USA
- Presentations are online at:
- [http://www.nist.gov/itl/iad/ig/ibpc2012\\_presentations.cfm](http://www.nist.gov/itl/iad/ig/ibpc2012_presentations.cfm)



### IBPC 2012 :: Online Proceedings

March 5-9, 2012 National Institute of Standards and  
Technology

Presentations of the International Biometric Performance Conference, 2012 This page is  
intended as a permanent archive of the presentations delivered to the IBPC 2012.

#### Presentations of the International Biometric Performance Conference 2012

[Workshop I NFIQ2](#) (Zip file)

[Day 1 Presentations](#) (Zip file)

[Day 2 Presentations](#) (Zip file)

[Day 3 Presentations](#) (Zip file)

[Workshop II Artefact, Liveness, Suspicious Presentation Detection](#) (Zip File)

[Workshop III Voice Biometrics Data Interchange Standardization for Law Enforcement,  
Military & Homeland](#) (Zip File)



EAB-NIST Workshop  
Privacy and Identity and Biometric Template Protection  
July 13, 2012

# EAB Template Protection Workshop

**Workshop:** „Transcontinental Perspectives on Privacy and Identity - Metrics for Biometric Template Protection“

**Where:** Paris, AFNOR (same location as SC37 WG-Meetings)

**When:** Friday, 2012-07-13 from 14.00h to 18.00h

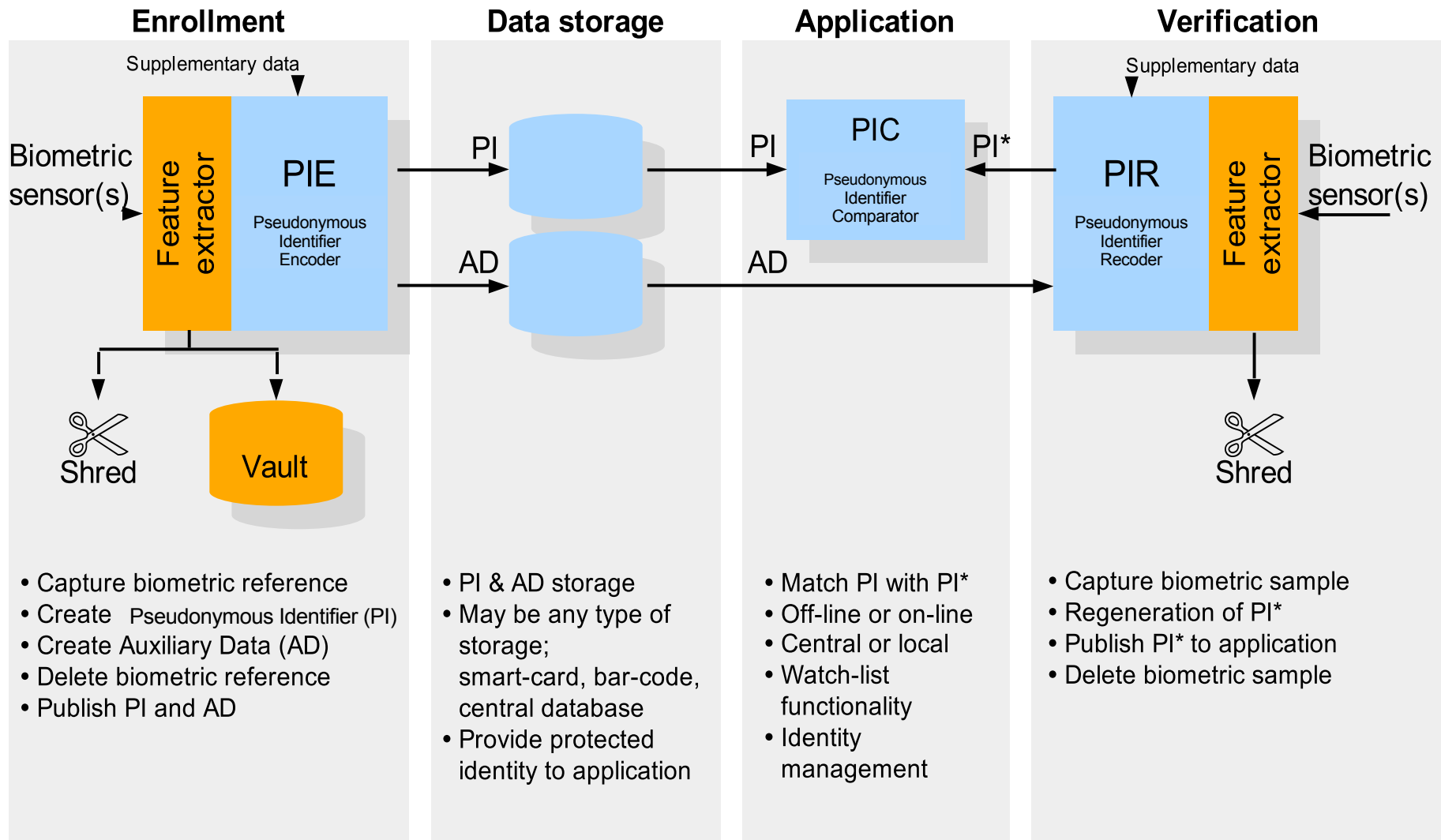
**Organizer:** „European Association for Biometrics (EAB) in cooperation with the Biometrics Institute (BI) and the National Institute of Standards and Technology (NIST)“

**Co-Chairs:** Christoph Busch, Elaine Newton and Isabelle Moeller



# Biometric Template Protection - ISO/IEC 24745

- Framework architecture for renewable biometric references



# EAB Template Protection Workshop

14.00 Welcome and objective of the workshop (Co-Chairs)

14.10 Transcontinental Perspectives on Privacy of Biometrics

- USA (**Elaine Newton**, NIST)
- Canada (**Michelle Chibba** / Ann Cavoukian, Canada)
- Australia-NewZealand (**Terry Aulich**, BI)
- Asia (JP-Government representative)
- Europe and PIA (Peter Hustinx, EDPS)

15.30 Coffee Break

16.00 Concepts for Biometrics Template Protection (**Bian Yang**, GUC)

16.30 ISO/IEC Standard 24745 (**Christoph Busch**, GUC)

16.40 NISTs motivation on Template Protection (**Elaine Newton**, NIST)

16.50 Towards Metrics for Benchmarking Template Protection Algorithms (**K. Simoens**, KUL)

17.30 Panel-Discussion with

**Johannes Merkle** (secunet), **Tom Kevenaar** (GenKey), US-expert, **Julien Bringer** (Morpho)  
**Koen Simoens** (KUL), **Xuebing Zhou** (CASED), **Raffaele Cappelli** (Uni Bologna)

- do the suggested metrics serve industry needs?
- when and how shall we start benchmarks?
- when and how shall we start a BT testing standard?

18.00 Closing Remarks

<http://eab.org/events/program/14>

BIOSIG  
IEEE International Conference of the  
Biometrics Special Interest Group  
September 6-7, 2012

# BIOSIG 2012

## 10th BIOSIG conference - now in cooperation with IEEE

- September 6-7, 2012 / Darmstadt, Germany
- [www.biosig.org/biosig2012](http://www.biosig.org/biosig2012)



**Call for Papers**  
**BIOSIG 2012**  
06.-07.09.2012, Darmstadt  
Gesellschaft für Informatik e.V. (GI)

[www.cast-forum.de](http://www.cast-forum.de) · [www.biosig.org](http://www.biosig.org)

Nowadays, biometric applications are growing rapidly and have reached different areas such as health monitoring, national ID cards, e-banking, e-commerce, etc. The European Union Visa Information System (VIS) and the Indian UIDAI System are large-scale deployed systems that validate the capabilities of today's biometric products. However deployed systems are still facing challenges towards better biometric performance, interoperability, system reliability and usability. New modalities and innovative acquisition techniques such as efficient 3D-face reconstruction taken from a distance, multi-spectral fingerprint images, in vivo imaging are important to increase the versatility of biometrics and its area of use. Moreover biometric recognition is now used as access control schemes towards mobile phones with its embedded sensors such that many convenience applications can now be served. Both in security and convenience applications efficient fusion techniques for multimodality systems are necessary to improve performance and robustness. When biometrics is chosen to increase the security of an access control system then the security of the biometric system itself must be investigated. This includes fake resistance of sensors, biometric information protection and crypto-biometrics to enhance the privacy of data subjects and to protect biometric references. Moreover, security analysis and certification of security properties need to be developed. Beyond that critical issues such as the compliance to standards and the early assessment of sample quality with standardized metrics systems are important to guarantee successful use of biometrics in practice.

The BIOSIG 2012 conference addresses these issues and will present innovations and best practices that can be transferred into future applications. The conference is jointly organized by the Competence Center for Applied Security Technology (CAST), the German Federal Office for Information Security (BSI), the European Association for Biometrics (EAB), the Joint Research Centre of the European Commission (JRC), the TeleTrust-Association, the Norwegian Biometrics Laboratory (NBL), the Center for Advanced Security Research Darmstadt (CASED) the Fraunhofer Institute for Computer Graphics Research IGD, and the special interest group BIOSIG of the Gesellschaft für Informatik e.V. (GI). The conference will be technically co-sponsored by IEEE and papers will be added to IEEE Xplore.

We invite stakeholders and technical experts to submit original research papers. Industrial contributions presenting lessons learned from practical usage, case study, recent results of prototypes, are also welcomed. Submissions should be full papers (max. 12 pages) in English. Authors should upload their submission to the EasyChair platform at:  
<https://www.easychair.org/account/signin.cgi?conf=biosig2012> and use the GI format for which templates are available at:  
<http://www.gi.de/fileadmin/redaktion/Autorenrichtlinien/LNI-LaTeX-Vorlage.zip> (LaTeX-template) and  
<http://www.gi.de/fileadmin/redaktion/Autorenrichtlinien/LNI-word-vorlage-en.doc> (Word-template).

**Important Dates**

<b>15.05.2012</b>	Deadline for electronic submissions
<b>30.06.2012</b>	Notification of authors via e-mail
<b>31.07.2012</b>	Deadline for final papers (ready for press)
<b>06./07.09.2012</b>	Conference: Talks and Presentations

**Special Interest Group BIOSIG**

The BIOSIG Group is dedicated to the foundations of biometrics. In order to develop the topics in this context and to link practical experience with academic innovations the Special Interest Group BIOSIG together with its co-organizers is providing with its annual conference a suitable platform to work on these issues.

**Topics of Interest**

The topics of the conference include but are not limited to: Biometric standards and interoperability, multimodal and multi-biometrics (sensor, modality, sample, feature, score and decision fusion), security analysis of biometric components or systems, on-card comparison, fake resistance, liveness detection, aging of reference data, template protection, derivation of cryptographic keys from biometrics, biometric middleware, user interface design for biometric systems, biometric performance measurement, sample quality, best practices, usability, emerging applications, ethical, legal and socio-technological aspects, biometrics for public administrations.

**Organizer**

**Organizer GI-BIOSIG and CAST e.V.:**  
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**BIOSIG Webmaster:** V.-P. Busch: [webmaster@biosig.de](mailto:webmaster@biosig.de)

**Program Committee**

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# COST Action IC 1106



# ICT COST Action IC1106

## The Action

- will promote new partnerships,
- will provide education and training,
- will contribute to develop new standards and best practices,
- will produce awareness of the potential benefits of advanced technologies for evidence analysis in forensic cases and
- will stimulate improved mutual understanding of collaborative working models linking the academic and industrial sectors.



Start of Action 2012-03-14

End of Action 2016-03-13

[http://www.cost.eu/domains\\_actions/ict/Actions/IC1106](http://www.cost.eu/domains_actions/ict/Actions/IC1106)

# ICT COST Action IC1106

## Members

<b>Parties</b>							
<b>Country</b>	<b>Date</b>		<b>Country</b>	<b>Date</b>		<b>Country</b>	<b>Date</b>
Austria	23/01/2012		Croatia	11/01/2012		Denmark	19/01/2012
France	05/04/2012		Germany	18/01/2012		Greece	23/01/2012
Italy	05/01/2012		Latvia	20/01/2012		Malta	18/01/2012
Poland	02/02/2012		Portugal	30/12/2011		Slovenia	05/01/2012
Sweden	13/02/2012		Switzerland	24/01/2012		United Kingdom	13/12/2011
						Finland	09/01/2012
						Ireland	16/01/2012
						Netherlands	17/01/2012
						Spain	03/01/2012

Total: 19

# ICT COST Action IC1106

## Questions to answer for Norway to join:

- Kort beskrivelse av COST-aksjonen i form av et prosjektsammendrag på 10 linjer
- Norske deltakere:
- Norsk finansiering, anslå ressursbruken (månedsværk mv) og opplys hvem som betaler for forskningsarbeidet.
- Faglige interesser og nytte for norske deltakere
  - ▶ hva vil vi bidra med (spesielle fagområder og forskningsaktiviteter)
  - ▶ hva forventes av utbytte
- Eventuell annen motivasjon for å delta i COST-aksjonen.

NEXT  
Meeting of the Norsk Biometri Forum

# Next Meeting

## Norsk Biometri Forum meeting

- Thursday, November 15th, 2012
- kindly hosted again by NID
  - ▶ Møllergata 39, 0179 Oslo, Norway
- For registration please visit: <http://eab.org/events>

# Contact



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