

Biometric News from Gjøvik

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Norsk Biometri Forum, Oslo
November 14, 2013



Agenda

Outline of this report

- EAB - Symposium
- NBLAW 2014
- COST Action IC 1106 - IWBF 2014
- NIST IBPC 2014
- BIOSIG 2014
- IJCB 2014
- Next NBF meeting

European Association for Biometrics

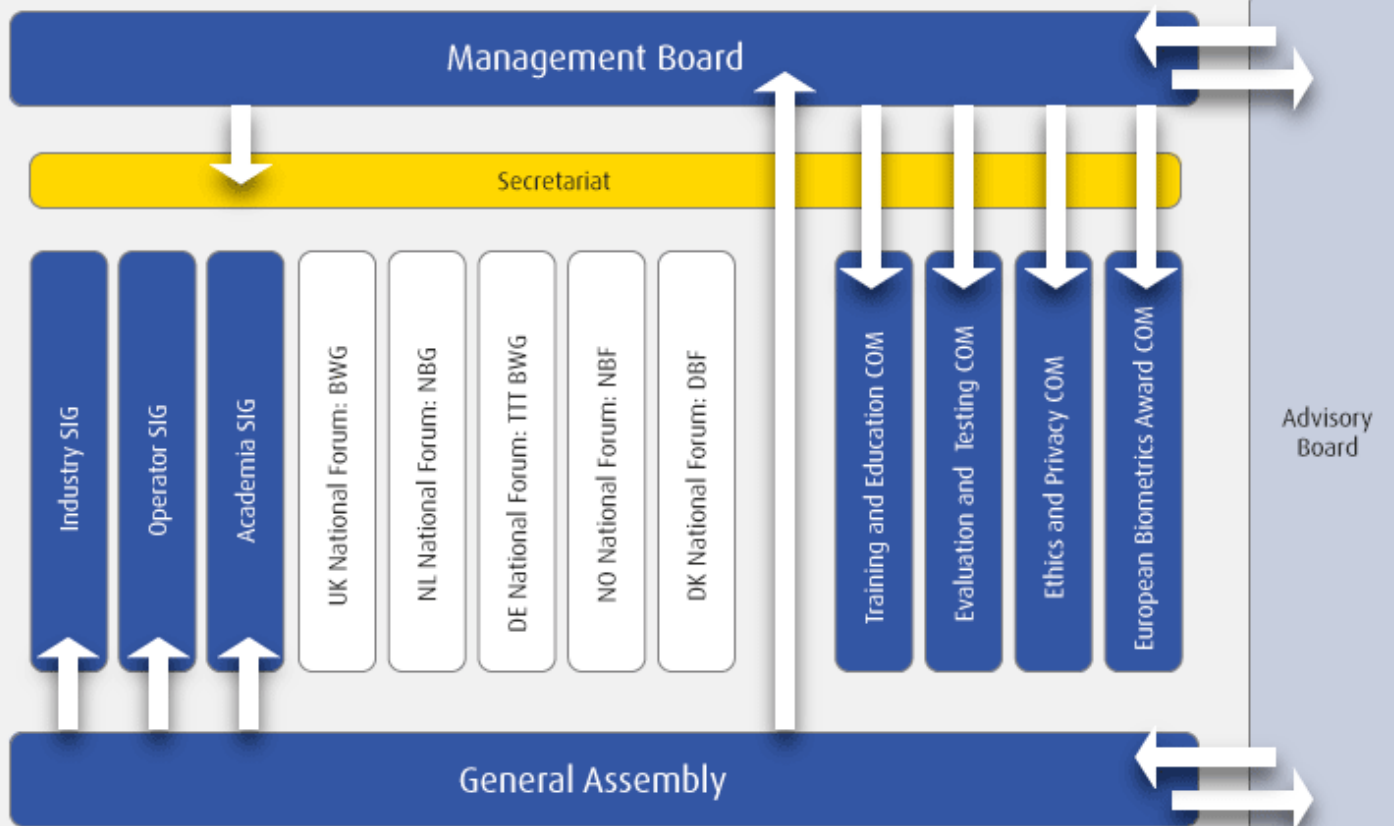
CURRENT STATUS OF THE EAB-ASSOCIATION

- EAB founded on November 17, 2011
- Currently **115** members
 - Including major biometric vendors and integrators, several government agencies, most acknowledged testing labs and academia
 - Most members are European institution but also U.S. or JP based
 - Key players from 10 years of European projects: BioVision, BioSecure, BITE, Crescendo, Staccato, 3DFace, HIDE, RISE, BioTesting, MTIT, Mobio, 3D Face, TURBINE, FIDELITY, BEAT, TABULA RASA etc.
- Informative and dynamic website
- European Research and Industry Award (4 September 2013)
- European Biometrics Symposium (13 February 2014)
- Workshops in cooperation with other associations and interest groups
- Network of national contact points (currently 25) and fora
- Various committees and working groups

VISION

- The need for **understanding** and exploiting the current and emerging **technologies** and **services** for the automated recognition of human identity is of increasing importance to the economic and social welfare and deserves a concerted, multidisciplinary and sustained effort.
- **The European context**, with its unique diversity, interdependence, heritage and values creates special requirements and opportunities for the development of biometric technologies and services to maximise the benefit for the citizens and to protect society from any possible adverse side effects.
- The European Association for Biometrics **envisions** and strives for a **future** where biometric and allied technologies are used in the service of Europe and **for the benefit of all**.

Organisational Structure



ORGANISATIONAL STRUCTURE - GROUPS

- Special Interest Groups
 - Industry SIG (N.N.)
 - Operators SIG (proposal – John Forrester, Ancitel)
 - Academia SIG (Raymond Veldhuis, University of Twente)
- Committees
 - Training and Education - TEC (Farzin Deravi, University of Kent)
 - Ethics and Society - ESC (Emilio Mordini, CSSC)
 - Evaluation and Testing - ETC (Sébastien Marcel, Idiap)
- Working Groups
 - Privacy Impact Assessment Working Group - PIAWG (Max Snijder, EBG)
 - Forensic Biometrics Working Group - FBWG (Didier Meuwly, NFI)
 - Mobile Applications Working Group - MAWG (Stefan Weber, UBIN)
- See details at: <http://eab.org/expertise>

COOPERATION AND PARTNERSHIP

- Asian Biometric Consortium (ABC)
- TeleTrust Association (TTT)
- BioSecure Association
- EUROSMART
- WORLD e-ID
- Biometrics London
- SDW 2013
- ID World
- Biometrics Institute
- BEAT
- IEEE Biometrics Council



EAB ADVISORY COUNCIL (EABAC)

- Members

- Edgar Beugels (Head of Capacity Building, Frontex)
- Christer Bergman (Board Member IBIA, USA)
- Ann Cavoukian (IPC Ontario, Canada)
- Vincent Boautou (Safran Morpho, France)
- Krum Garkov (Director, EU-LISA)
- Waldemar Grudzien (Director German Banking Association)
- Marek Rejman Greene (UK Home Office)
- Jason Kim (Director of Korea-National Biometric Test Center)
- Vijay Madan (UIDAI)
- Ruth Wandhöfer (Citigroup, European Payment Council - EPC)
- Jim Wayman (San José University, USA)

- See details at: <http://eab.org/about/eabac.html>

EAB RESEARCH AND INDUSTRY AWARD

- Granted **annually** to individuals who have been judged by a panel of internationally respected experts to be making a significant contribution to the field of biometrics research in Europe.
- The award is stimulating innovation in academic research as well as in industry.
 - Academic researchers enrolled in the last or penultimate year of a Ph.D. program
 - Industrial researchers whose core business is biometrics
- Chairman of the award committee
 - Prof. Patrizio Campisi, University of Roma TRE, Roma, Italy
- Committee members
 - Prof. Josef Bigun, Halmstad University, Sweden
 - Prof. Christoph Busch, Gjøvik University College, Norway
 - Prof. Bernadette Dorizzi, Telecom SudParis, France
 - Prof. Mike Fairhurst, University of Kent, UK
 - Jean Christophe Fondeur, Morpho, France
 - Prof. Anil Jain, Michigan State University, USA
 - Dr. Tom Kevenaar, GenKey, The Netherlands
 - Prof. Josef Kittler, University of Surrey, UK
 - Prof. Ajay Kumar, The Hong Kong Polytechnic University, Hong Kong
 - Prof. Arun Ross, West Virginia University, USA
 - Dr. Günter Schumacher, JRC, European Commission
 - Prof. Massimo Tistarelli, University of Sassari, Italy
 - Prof. Raymond Veldhuis, Twente University, The Netherlands
 - Prof. Jim Wayman, San Jose State University, USA

7TH EUROPEAN BIOMETRICS RESEARCH AND INDUSTRY AWARD 2013



Front (left to right): Tom Kevenaer, Jean-Christophe Fondeur, Peter Wild, Finnian Kelly, Huiibin Li, Patrizio Campisi -
Back (left to right): Anil Jain, Christoph Busch, Raymond Veldhuis, Geunther Schumacher, Ajay Kumar, Alexander Nouak

UPCOMING EVENTS

- TTT Biometric Working Group Meeting - Berlin (DE)
 - 2013-12-11 see: <http://eab.org/events/program/33>
- EAB-NIST Workshop - Darmstadt (DE)
 - 2014-01-10 see: <http://www.eab.org/events/program/53>
- Forensic Workshop - Darmstadt (DE)
 - 2014-01-17 see: <http://www.eab.org/events>
- European Biometric Symposium - Brussels (BE)
 - 2014-02-13 see: <http://www.eab.org/events>
- 13th International Conference of the Biometrics Special Interest Group (BIOSIG)
 - 2014-09-10 to 2014-09-12

JOIN EAB NOW! - WHY?

- Membership fee is **low**
 - Profit organisation (375 €, 785 €, 1.450 €)
 - Non-profit organisation (government, academia, research, private)
 - Student (25 €) , Associate member (50 €), Individual member (75 €)
 - Institution (275 €)

- Membership benefits are **high**
 - For details visit:
<http://eab.org/membership/benefits.html>

- Stay connected to developments in Europe

- Return your application form today



EAB Membership Registration Form

Mark your required membership and fill in the form below to become a EAB member.
Please send the filled and signed form to:
Piet Willems van Oortruppen 4, 3422 GK Nieuwien, The Netherlands
or fax it to: FAX +31 621 255499

Membership starts on 1 January and ends on 31 December of a year

Profit organisations		Non-profit organisations (government, academia, research, private)	
Company size	Annual fee	Person type	Annual fee
1 - 75	375,00 €	Student	25,00 €
76 - 250	785,00 €	Associate member	50,00 €
251 +	1.450,00 €	Individual member	75,00 €
		Institution	275,00 €

I don't want my contact details to be displayed in the restricted area of the EAB website

Organisation name: _____

Title: _____ First Name: _____ Last name: _____

Legal address: _____

E-mail: _____ (Mobile phone: _____)

By signing this form I confirm to have read, understood and agreed to the statutes and by-laws of the EAB, available through <http://eab.org/membership/registration.html>.

Date: _____ Signature: _____

Please contact secretariat@eab.org or +31 624 903829 for additional information.

Workshop of the
Norwegian Biometric Laboratory
February 28, 2014

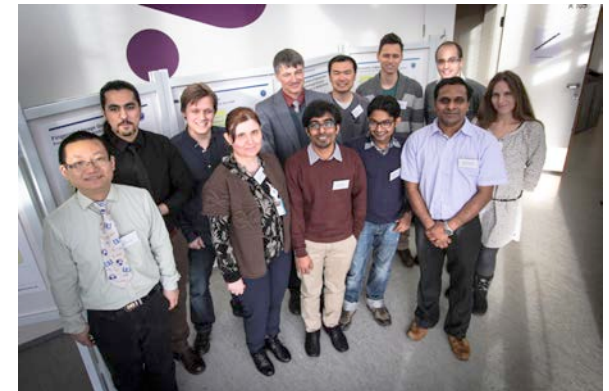
Norwegian Biometrics Laboratory (NBL)

Introduction of the Biometrics Lab

- established in 02'2011 at the Gjøvik University College (GUC)
- it represents an active **focus point** of GUC

Driving motivation

- the Biometrics Lab **assembles** faculty members and PhD students that all have innovative techniques for biometric authentication as their joint interest.
 - ▶ 5 full time professor / associate professor
 - ▶ 2 post-doc researcher
 - ▶ 9 Ph.D. students
- **Projects**
 - ▶ TURBINE (FP7, 2008-2011), BEST network (EU, 2009-2011), FIDELITY (FP7, 2012-2016), INGRESS (FP7, 2013-2016)
 - ▶ NIST-BTP-metrics (NIST, 2010-2011), NIST-NFIQ2.0 (NIST-BSI, 2011-2014)
 - ▶ Hitachi vein recognition, IDEX fingerprint evaluation, Fujitsu vein recognition, secunet, dermalog



NBL Workshop

Co-organized by Gjøvik University College and EAB

- Workshop February 28, 2014 in Gjøvik
- Agenda (English talks)
 - ▶ Richard Guidorizzi (DARPA)
DARPA's Active Authentication Program
 - ▶ Soumik Mondal (Gjøvik University College)
Trust model for continuous authentication
 - ▶ Bjørn Erik Thon (Datatilsynet)
Can we monitor people continuously?
 - ▶ Neil Costigan (BehavioSec)
Protecting my phone
 - ▶ Mark Nixon (University of Southampton)
Soft biometrics for surveillance
 - ▶ Bendik Mjaaland (Accenture)
Difficulty of spoofing
 - ▶ DNB, Teller
Analyzing credit card behavior to protect customers
 - ▶ Elnaz Masoudian (Gjøvik University College)
I type my own 6-digit OTP!

http://nislabs.no/biometrics_lab/nbl_workshop_14

COST Action IC 1106

IWBF 2014

ICT COST Action IC1106

The Action „**Biometrics and Forensics**“



- 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
- Norway joined COST Action IC1106 in May 2012

http://www.cost.eu/domains_actions/ict/Actions/IC1106

ICT COST Action IC1106

Annual COST IC 1106 Workshop



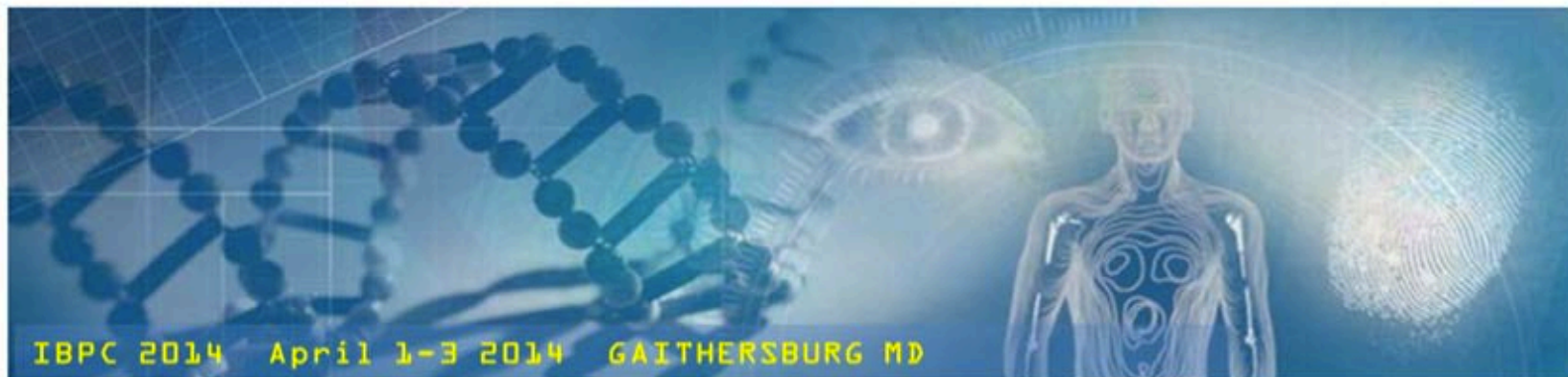
- International Workshop on Biometrics and Forensics (IWBF)
- will take place 27-28 March 2014, Valletta, Malta
- The workshop is technically co-sponsored by both IAPR and IEEE
- There are three outstanding invited speakers:
 - ▶ Dr. Didier Meuwly, Netherlands Forensic Institute, Netherlands.
 - ▶ Prof. Joaquin Gonzalez-Rodriguez, Universidad Autonoma De Madrid, Spain.
 - ▶ Prof. Sargur N. Srihari, University at Buffalo, USA.
- <http://www.um.edu.mt/events/iwbf2014/>

NIST
International Biometric Performance Conference
March 30 to April 4, 2014

NIST IBPC 2014

3rd International Biometric Performance Conference

- March 30 to April 4, 2014 in Gaithersburg, USA
- Presentations are online at:
- <http://www.nist.gov/itl/iad/ig/ibpc2014.cfm>



International Biometric Performance Testing
Conference 2014

IJCB 2014

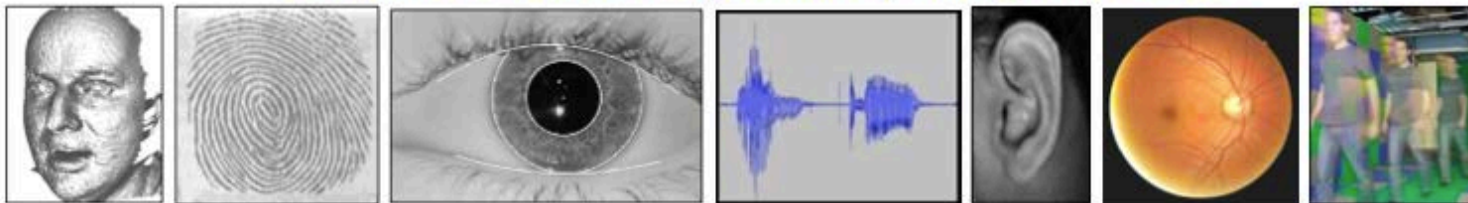
IJCB 2014

IJCB = ICB + BTAS

- International Joint Conference on Biometrics
- 29 September - 2 October 2014, Clearwater, Florida, USA
- <http://ijcb2014.org/>
- paper submission by April 10th
- proceedings will be published in IEEE Xplore

International Joint Conference on Biometrics, IJCB 2014

29 September - 2 October 2014, Clearwater, Florida, United States



Call for Papers

The **2014 International Joint Conference on Biometrics (IJCB 2014)** is a special combination of two major biometrics research conferences, the *Biometrics Theory, Applications and Systems (BTAS)* conference and the *International Conference on Biometrics (ICB)*. The blending of these two conferences is through special agreement of the IEEE and the IAPR, and should present an exciting event for the entire worldwide biometrics research community.

BIOSIG
IEEE International Conference of the
Biometrics Special Interest Group
September 10-12, 2014

BIOSIG 2014

IEEE BIOSIG conference

- September 10-12, 2014 / Darmstadt, Germany
- www.biosig.org/biosig2014
- submission deadline May 15th, 2014
- proceedings will be published in IEEE Xplore

Biometrics Special Interest Group
in cooperation with

IEEE

eab **Fraunhofer** **COST Action**
IC1106

Call for Papers
BIOSIG 2014
10.-12.09.2014, Darmstadt
Gesellschaft für Informatik e.V. (GI)

<http://www.biosig.de/biosig2014>

Biometrics provides efficient and reliable solutions to recognize individuals. With increasing number of identity theft and misuses incidents we do observe a significant fraud in e-commerce and thus growing interests on trustworthiness of person authentication. Nowadays we find biometric applications in areas like border control, national ID cards, e-banking, e-commerce, e-health etc. Large-scale applications such as the European Union Visa Information System (VIS) and Unique Identification (UID) in India require high accuracy and also reliability, interoperability, scalability, system reliability and usability. Many of these are joint requirements also for forensic applications.

Multimodal biometrics combined with fusion techniques can improve recognition performance. Efficient searching or indexing methods can accelerate identification efficiency. Additionally, quality of captured biometric samples can strongly influence the performance. Moreover mobile biometrics is an emerging area and biometrics based smartphone can support deployment and acceptance of biometric systems.

However concerns about security and privacy cannot be neglected. The relevant techniques in the area of presentation attack detection (liveness detection) and template protection are about to supplement biometric systems, in order to improve fake resistance, prevent potential attacks such as cross matching, identity theft etc.

The BIOSIG 2014 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 ICT COST Action IC1106, 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. Each paper will be subjected of a double blind peer review. Authors should upload their submission to the EasyChair platform at:

<https://www.easychair.org/account/signin.cgi?conf=biosig2014> and use the GI format for which templates are available at: <http://www.gi.de/fileadmin/redaktion/Autorenrichtlinien/LNI-LaTeX-Vorlage.pdf> (LaTeX-template)

and <http://www.gi.de/fileadmin/redaktion/Autorenrichtlinien/LNI-word-vorlage-en.doc> (Word-template)

Note that those contributions, which will be accepted as poster presentation, will be limited to 8 pages.

Important Dates

- 30.05.2014** Deadline for electronic submissions
- 30.06.2014** Notification of authors via e-mail
- 31.07.2014** Deadline for final papers (ready for press)
- 10.09.2014** Satellite Workshop TTT Working Group
- 10.09.2014** EAB European Research and Industry Award
- 11./12.09.2014** Main Conference: Talks and Presentations
- 12.09.2014** BIOSIG Best Paper Award

Special Interest Group BIOSIG

The BIOSIG Group is dedicated to the foundations of biometrics. Its objective is to link practical experience with academic innovations. Thus 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, continuous authentication, forensics and other emerging applications, ethical, legal and socio-technological aspects, biometrics for public administrations.

Further Information

Keynote Speakers:
Jean-Christophe Fondeur (Morpho)
Jim Wayman (San Jose State University)
Organizer GI-BIOSIG and CAST e.V.:
Christoph Busch: christoph.busch@cast-forum.de
Arslan Brömme: arslan.broemme@aviomatik.de
BIOSIG Webmaster: V.-P. Busch: webmaster@biosig.de

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Johann Fürst (E.ON, DE)	Markus Nuppenau (SRI, DE)	Shantanu Trivedi (SRI, US)
Markus Fuchs (SRI, US)	Markus Nuppenau (SRI, DE)	Arindam Tripathy (SRI, US)
Laith Fritsch (SRI, US)	Markus Ochs (SRI, DE)	Mehmet Uzun (SRI, US)
Christoph Garber (SRI, US)	Janet Orrego (SRI, US)	Rohit Vaish (SRI, US)
Patrick Griebler (SRI, US)	Michael Patten (SRI, US)	Yue Wang (SRI, US)
Daniel Harman (SRI, US)	Andriy Pylyk (SRI, US)	Zhi Wang (SRI, US)
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Christiane Kapsler (SRI, US)	Rajshree Rana (SRI, US)	Shan Yang (SRI, US)
		Arindam Tripathy (SRI, US)

NEXT
Meeting of the Norsk Biometri Forum

Next Meeting

Norsk Biometri Forum meeting

- Friday, May 9th, 2014
- kindly hosted again by NID
 - ▶ Møllergata 39, 0179 Oslo, Norway
- For registration please visit: <http://eab.org/events>

Contact

