IACR Membership Meeting
Crypto 2011, UCSB

Bart Preneel

presidentHEREATiacr.org

http://www.iacr.org

Agenda

- About IACR & Your Board
- Membership & Elections
- Conferences & Workshops
- IACR Fellows
- Publications
- Current Board Activities
- Open Discussion

About IACR

- Non-profit organisation registered in the USA

- The Association's purposes are "to advance the theory and practice of cryptology and related fields, and to promote the interests of its members with respect thereto, and to serve the public welfare"

Delivering

- Eurocrypt, Crypto, Asiacrypt
- FSE, PKC, CHES, TCC
- Journal of Cryptology and newsletter
- IACR archive of past proceedings
  - http://www.iacr.org/archive
- Eprint server
  - http://eprint.iacr.org/

About IACR

- Run by a Board of Directors
  - 4 elected Officers
  - 9 elected Directors
  - 6 General Chairs
- Supported by
  - JoC editor in Chief, Membership Secretary, Archivist, Database Administrator
  - Representatives of Asiacrypt, PKC, FSE, CHES & TCC Steering Committees

Your Board ('11)

OFFICERS

- Bart Preneel
- Christian Cachin
- Martijn Stam
- Greg Rose

DIRECTORS

- Josh Benaloh
- Tom Berson
- Stuart Haber
- Antoine Joux
- Matsuru Matsui
- David Naccache
- Christof Paar
- David Pointcheval
- Serge Vaudenay

Your Board ('11)

APPOINTEES

- Matt Franklin
- Shai Halevi
- Kevin McCurley
- Hilarie Orman
- Christopher Wolf

GENERAL CHAIRS

- Helger Lipmaa
- Tom Shrimpton
- Hyoung-Joong Kim
- Nigel Smart
- Lisa Yiqun Lin
- Xuejia Lai

STEERING COMMITTEE REPRESENTATIVES

- Tsutomu Matsumoto
- Jean-Jacques Quisquater
- (Bart Preneel)
- (David Pointcheval)
- Ivan Damgård

Thanks to ex-Officers

- Ed Dawson
- Tom Shrimpton (Crypto’11 general chair)
- Helena Handschuh (Crypto’13 general chair)

Membership

- By attending this conference, you will become a member of IACR for 2012
- If you attended one of our conferences or workshops last year, you are already a member for 2011

IACR Election

- There is an election for Board members every year in the Fall
  - In 2011 the terms of 3 elected Directors expire
  - We are actively seeking interested members to join the Board
  - Please contact any Board member (or a member of the 2011 Election Committee) if you would like to know more, or are interested in standing for election

- http://www.iacr.org/elections/2011/announcement.html

IACR Election Committee 2011

Greg Rose

Martijn Stam

Serge Vaudenay

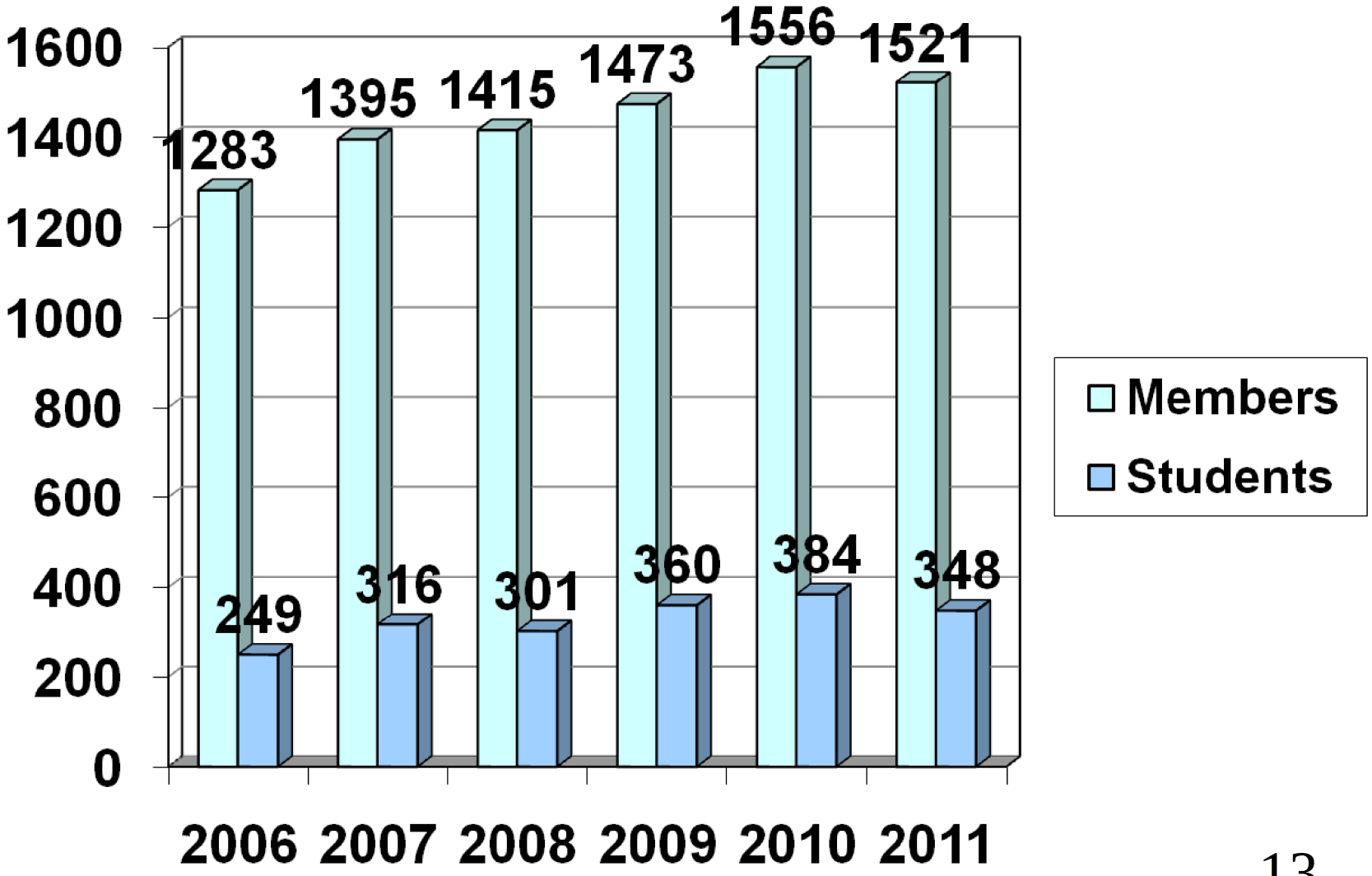
IACR Membership

Summer 2011

Shai Halevi

iacrmemHEREATiacr.org

Total Membership



On-Line services

- All on the same server
  - www.iacr.org
  - ePrint
  - Newsletter, Mailing lists
  - Membership/Conference registration
  - Submission/Review for conferences
  - CryptoDB, archive
- Machine is nearly 4-years old
  - Should probably upgrade it in 2012 or 2013

Access to IACR Reading Room

- Login will move to IACR server
- Access for researchers who are members of national associatons in China, India, Africa who cannot afford the membership fee: ongoing

Shai's term is expiring…

- Many thanks for excellent service!
- Looking for replacement

Conferences & Workshops

2011-2012 Conferences

- Crypto'11: 19-23 Aug., UCSB, Santa Barbara
  - Tom Shrimpton/Phil Rogaway
  - **IACR Distinguished Lecture: Ron Rivest**
- Asiacrypt'11: 4-8 Dec., Seoul, Korea
  - Hyoung-Joong Kim/Dong Hoon Lee+Xiaoyun Wang
- Eurocrypt'12: 15-19 April, Cambridge, UK
  - Nigel Smart/David Pointcheval + Thomas Johansson
- Crypto'12: 19-23 Aug., UCSB, Santa Barbara, USA
  - Yiqun Lisa Yin/Rei Safavi-Naini + Ran Canetti
- Asiacrypt'12: 2-6 December, Beijing, China
  - Xuejia Lai/Xiaoyun Wang + NN
  - **IACR Distinguished Lecture: Dan Boneh**

2013 Conferences

- Eurocrypt: April-May, Athens, Greece
  - Aggelos Kiayias/Thomas Johansson + Phong Nguyen
- Crypto: 19-23 Aug., UCSB, Santa Barbara
  - Helena Handschuh/Ran Canetti + tbd
- Asiacrypt: tbd

2011-2012 Workshops

- CHES'11: 28 Sept. – 1 Oct, Nara, Japan
  - Akashi Satoh/Bart Preneel + Tsuyoshi Takagi
- TCC'12: 18-21 March, Taormina, Italy
  - Nelly Fazio + Rosario Gennaro/Ronald Cramer
- FSE'12: 19-21 March, Washington DC, USA
  - Anne Canteaut/Bruce Schneier
- PKC'12: 21-23 May, Darmstadt, Germany
  - Johannes Buchmann + Mark Manulis/Marc Fischlin
- CHES'12: 9-12 Sept, Leuven, Belgium
  - Lejla Batina + Ingrid Verbauwhede/Emmanuel Prouff + Patrick Schaumont

Conferences and Workshops

- Now hearing proposals for 2014 conferences and 2013 workshops
- Details on how to submit a proposal on www.iacr.org
- Or see a member of the Board/Steering Committee

In particular: candidates for Crypto general chair

Journal of Cryptology

Editor in Chief – Matt Frankli

franklinHEREATcs.ucdavis.ed

Journal of Cryptology

- The premier Journal in cryptology
  - Published by Springer-Verlag
  - Available in reading room and via postal mail to IACR members (unless you opt-out)
- Overall health very good
- Submission pipeline steady and sustainable
- Hardware special issue (April 2011):
  - Open call for submissions
  - Guest editors C. Paar, J. Quisquater, B. Sunar
  - Big success (thanks to their hard work)
- Send me your ideas for new special issues
  - Practical topics especially welcome

IACR Newsletter

Editor – Christopher Wolf
newsletterHEREATiacr.org

IACR Newsletter/Website

- Available on http://www.iacr.org/newsletter
- Contents
  - Calendar of events
  - Job opportunities
  - Publication announcements
  - Book reviews
  - **PhD database**
- Via web but also
  - **Twitter (http://twitter.com/#!/iacr_news)**
  - **Email**

- Submit to newsletterHEREATiacr.org

IACR Fellows

Current IACR Fellows

- Tom Berson
- G. Robert Jr. Blakley
- Gilles Brassard
- David Chaum
- Andrew Clark
- Don Coppersmith
- Ivan Damgård
- Yvo Desmedt
- Whitfield Diffie
- Oded Goldreich
- Shafi Goldwasser
- Martin Hellman
- Hideki Imai
- Arjen K. Lenstra
- James L. Massey
- Ueli Maurer
- Kevin McCurley
- Ralph Merkle
- Silvio Micali
- Moni Naor
- Jean-Jacques Quisquater
- Michael O. Rabin
- Ron Rivest
- Adi Shamir
- Gustavus (Gus) Simmons
- Jacques Stern
- Andy Yao

New IACR Fellows in 2011

- David Kahn
- Charles Rackoff
- Richard Schroeppel
- Scott Vanstone

Procedures

- Candidates, nominators, and endorsers must be IACR members. Verify membership by corresponding with iacrmemHEREATiacr.org
- Deadline: December 31, 2011
- Instructions: http://www.iacr.org/fellows/
- Submit to fellowsHEREATiacr.org
- Selection-committee members (to be updated):
  - Arjen Lenstra, Ueli Maurer (chair), Kevin McCurley, Tatsuaki Okamoto, Ron Rivest

Publications

Springer-Verlag

- Publisher of IACR's conference and workshop proceedings in the LNCS series and the Journal of Cryptology
- IACR reading room: all IACR Members have FREE electronic access to ALL past proceedings of our conferences & workshops and to J. Cryptology

- **http://springer.com/iacr**
- Access token: **http://www.iacr.org**

The IACR Reading Room at Springer

Springer
the language of science

Springer is pleased to offer all IACR members free access to the Journal of Cryptology and to the Lecture Notes in Computer Science proceedings volumes in CRYPTO, EUROCRYPT, ASIACRYPT, FSE, CHES, PKC, and TCC. Access is provided via http://www.springer.com/iacr after a one-time registration procedure as described below.

One-Time Registration

You must be a member of the IACR in order to use the registration procedure below. If you are not currently a member, you should (re)establish your IACR membership and then come back to this page.

Step 1: Get a Springer-token.

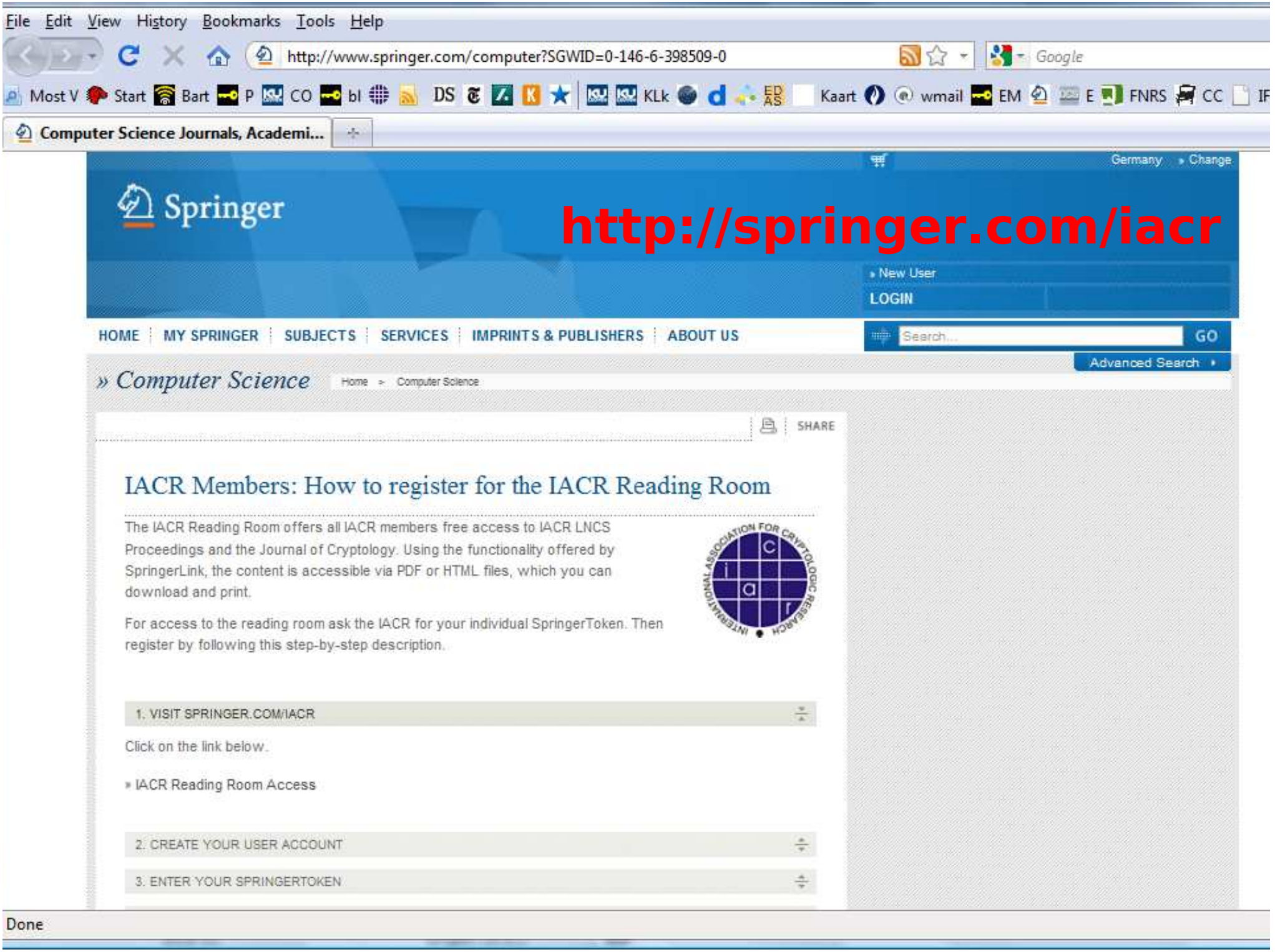
If you know your IACR Reference Number and password, use them in the form below to get a springer token.
IACR Reference Number: [ ] Password: [ ] Get a Springer Token

If you do not remember your IACR Reference Number or password, enter your email address here and we will email them to you:
[ ] Send me my IACR account details

If you are unsure of what email address to use (or have any other problem with this procedure), you can write to the database administrator at the address **database@iacr.org**.

Step 2: Register with Springer.

Once you have a token, go to http://www.springer.com/iacr, and either login to your existing Springer account (if you have one) or register for a new account. Either way, you will be asked to provide the token that you got in Step 1. See more detailed instructions.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Google
Computer Science Journals, Academi...
Springer
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Search...
GO
Advanced Search »
» Computer Science
Home > Computer Science
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IACR Members: How to register for the IACR Reading Room
The IACR Reading Room offers all IACR members free access to IACR LNCS Proceedings and the Journal of Cryptology. Using the functionality offered by SpringerLink, the content is accessible via PDF or HTML files, which you can download and print.
For access to the reading room ask the IACR for your individual SpringerToken. Then register by following this step-by-step description.
INTERNATIONAL ASSOCIATION FOR CRYPTOLOGIC RESEARCH
1. VISIT SPRINGER.COM/IACR
Click on the link below.
» IACR Reading Room Access
2. CREATE YOUR USER ACCOUNT
3. ENTER YOUR SPRINGERTOKEN
Done

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Your personal gateway to society related content

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To access the free electronic library click on the link of your choice. This will lead you to SpringerLink, our content platform. Enjoy your read!

Journal of Cryptology

Access the e-version of Journal of Cryptology, including the historical archive and online first articles.

Read this journal

Advances in Cryptology - CRYPTO

Read these volumes:

- CRYPTO 2010
- CRYPTO 2009
- CRYPTO 2008
- CRYPTO 2007

IACR Publications

- Today
  - access to IACR members in IACR reading room at Springer (move to: before conference)
  - open access of conference proceedings after 2 years at http://www.iacr.org/archive
    - currently Eurocrypt 2000 - PKC 2009
    - formatting is slightly different (but exactly the same content)

Current Board Activities

Current Board Activities: e-publishing

1. Towards opt-in for paper

- Journal of Cryptology
  - available in IACR reading room
  - currently opt-out for paper
  - plan to switch to opt-in for extra cost in 1-2 years

- Proceedings
  - available via web or USB
  - opt-in for paper copy (and pay extra)

Current Board Activities: e-publishing

2. Open access for proceedings

- Proceedings papers immediately freely available for everyone (for both IACR members and IACR non-members)
- Is not the same as free publishing: there is a cost for typesetting and normalization
- Considering offers from Springer Verlag and other organizations (e.g. Usenix)

Current Board Activities: e-voting

- Helios: participation in 2010 from 20% to 30%

- Switch to approval voting
  - Previous: vote for 1, 2, 3 out of n candidates
  - New: vote for 1, 2, 3, 4, …, n-1,n candidates
- Integrity/verifiability could be strengthened if the public audit file would list who has voted (now only a list of pseudonyms)

Current Board Activities

- Flagship conference:
  - rolling program chairs (junior and senior year)
  - increase number of accepted papers (accommodate this with shorter talks, more half-days, longer days, parallel sessions)

- Ethical guidelines for authors and reviewers
  - submission to conference and journal in parallel only with explicit permission from pc chair and journal editor
  - http://www.iacr.org/docs/

- Co-location of workshops/conferences to reduce travel overhead (under discussion)
  - FSE/PKC/TCC co-locate with Eurocrypt every 3rd year
  - CHES co-locate with Crypto every 3rd year

- Recording of talks – only with presenter's permission

A reflection on new publication models

- journal with 12 deadlines per year
- 2-round journal-style review process with a target of 3-5 months
- large review board with quick rotation
- publication in online journal implies slot at the next conference

- could be started up in parallel with existing model
- inspired by Proceedings of the VLDB Endowment http://www.vldb.org/pvldb/

Open Discussion