

An update about HiDalgo

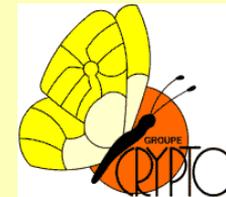
How to explain
algorithms and cryptography
to your (old) children III

Erik Demaine (MIT)

Martin Demaine (MIT)

Jean-Jacques Quisquater (UCLouvain)

Michaël Quisquater (UVSQ)



HiDalgocrypt project

- **Having in HD videos the main (cryptographic) algorithms explained by their authors or by the best teachers in the best possible context**

Tests

In January 2011 during a MIT IAP course we did some tests for the crypto part with

- Michaël Rabin**
- Shafi Goldwasser**
- Ari Juels**

- We'll report about the results of these 2 days.**

<http://courses.csail.mit.edu/iap/hidalgo/>

Cool Algorithms: Video Recording for Future Generations

Erik Demaine, Martin Demaine, Jean-Jacques Quisquater

[IAP 2011 class](#)

Wed Jan 5, Thu Jan 6, 10am-4pm, 32-G575

No enrollment limit; no advance sign up; participants requested to attend all sessions (non-series)

Cosponsored by [EECS](#), [CSAIL](#), [SIPB](#)

[Announcement Poster](#)

Theoretical computer science is at an exciting time: many major breakthroughs have been made, and the inventors of most major results are still alive. To preserve this history for future generations, the goal of the HiDALgo project (High-Definition Algorithms) is to record people describing the important algorithms that they invented or that they love, in short freely available videos.

This IAP event will kick off this project. The first day will consist of trial runs, with participants experimenting with recording and editing video of themselves. We will also brainstorm styles for recording different types of lectures, and start developing a website with guidelines for submissions and a public repository of videos. The second day, we'll record a series of (short) invited lectures and edit them to seed this site with an interesting collection which we hope will grow.

Participants from any background welcome. In particular, we'd love your feedback on interview style, format, cinematography, editing, web, algorithms, people, etc.

Mailing List

If you're interested in the class as participant or listener, please join our mailing list, [hidalgo-students](#).

Schedule

Wednesday 10-12:30: Kickoff: current HiDALgo vision, overview of open questions (style, interview, audience, cinematography, audio, editing, text, website, content, organization, parent/branding, funding).
Short lectures by people experienced with video:



[Erik Demaine](#) teaching 6.849 in Fall 2010 (with [full video lectures](#) available)



[Martin Demaine](#) blowing glass blindfold (in [this video](#))



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Short lectures by people experienced with video:

- [Erik Demaine](#), professor, CSAIL/EECS, MIT
- [Tom Buehler](#), video specialist, CSAIL, MIT
- [Ryan Tebo](#), artist and documentary film maker, Stockholm
- [Kris Brewer](#), webmaster and community liaison, MIT TechTV

Begin brainstorming (if time).

Wednesday 1-4+: Brainstorming: answering the many open questions.
Practice videography, audio engineering, interviews, editing.
We have 12 editing-ready iMacs in the New Media Center (26-139).
Can go into the evening as we wish.

Thursday 10-12:30: Recording interviews of our speakers:

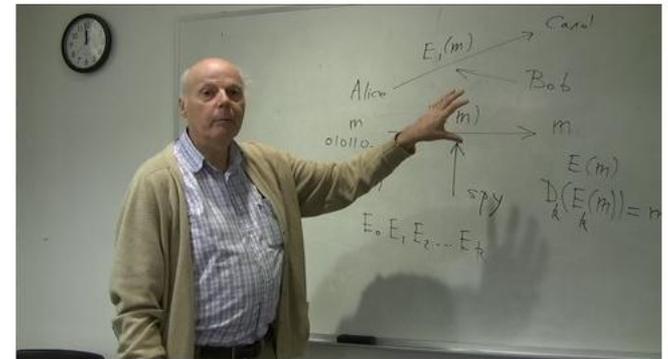
- 10:00: [Michael Rabin](#), professor, computer science, Harvard
- 11:00: [David Karger](#), professor, CSAIL/EECS, MIT
- 11:30: [Shafi Goldwasser](#), professor, CSAIL/EECS, MIT
- 12:00: [Ari Juels](#), director, RSA Laboratories

Thursday 1-4+: Discussion of what we learned from interviews, what should change.
Brainstorming: answering remaining open questions.
Give a try at real editing.
Start/plan website development.
Formation of a team for future HiDALgo development.

[Private Wiki](#)

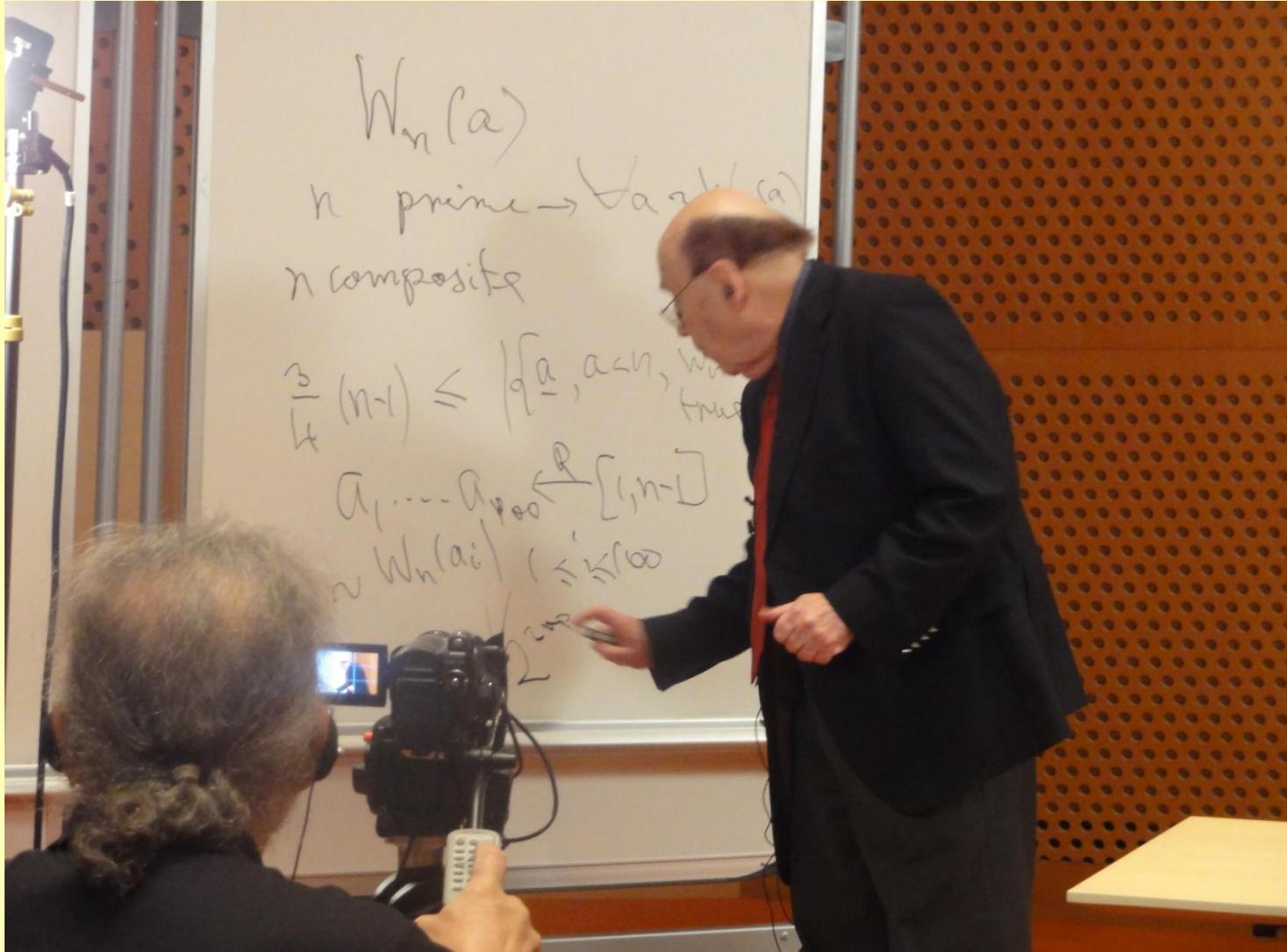


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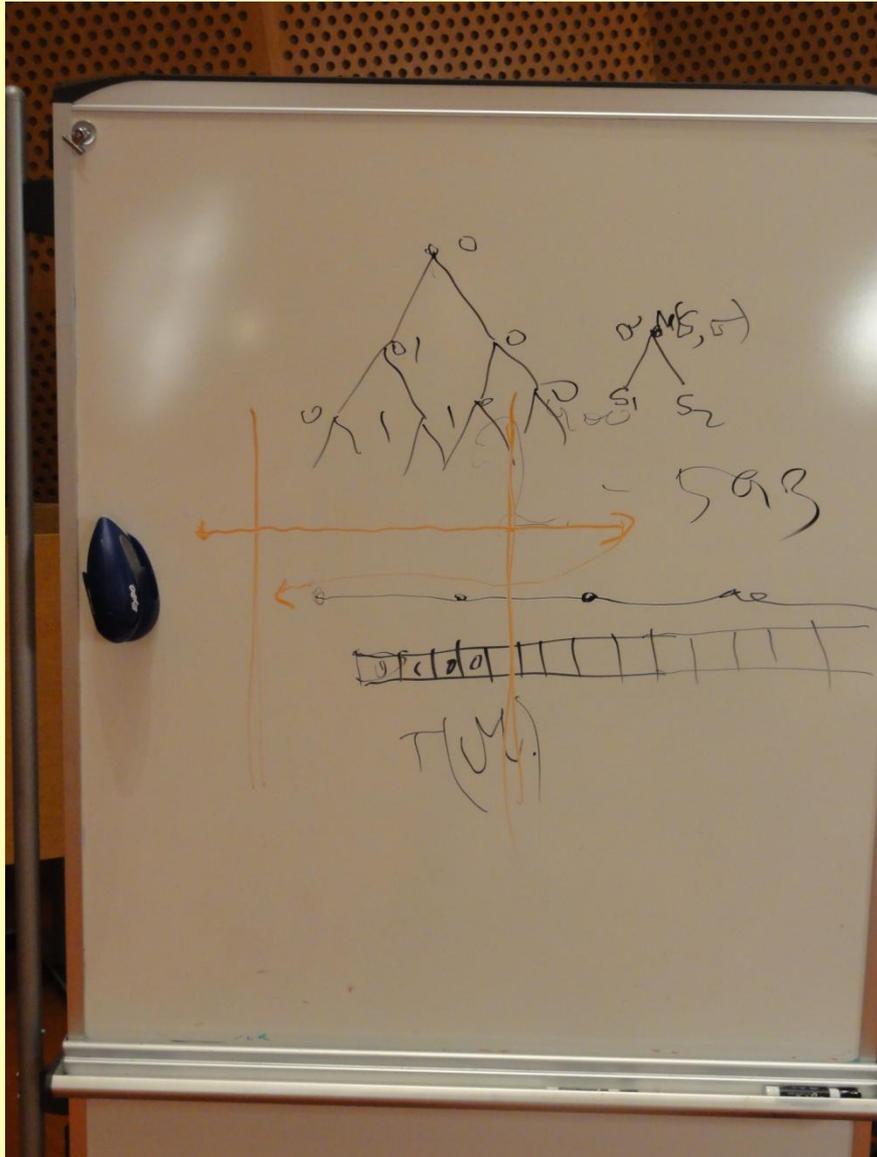
[Jean-Jacques Quisquater](#) giving a test lecture for HiDALgo



















postprocessing



call

- **So far 15 Gbytes of video (4 authors)**
- **Authors: contact us for a meeting (in your office, next year at CRYPTO, FOCS, STOC, ...)**
- **Also we need help for the postprocessing**
- **Other experiments, your proposals**
- **We need to set a more permanent team**