Research
Expectation vs Reality
by Ahmed Abdelkader
Agenda

- Warm-up
- You and Your Research
- How to Have a Bad Career
- A PhD Is Not Enough!
- Future Work
Warm-up

- What brought you here today?
Warm-up

- What brought you here today?
- What do you already know?
Warm-up

- What brought you here today?
- What do you already know?
- What do you expect to hear today?
Warm-up

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- What do you expect to hear today?
- Personal views - take with a grain of salt
Warm-up

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Research is what I'm doing when I don't know what I'm doing.

Wernher von Braun
Warm-up

- What brought you here today?
- What do you already know?
- What do you expect to hear today?
- Personal views - take with a grain of salt

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*Wernher von Braun*

Good for you! No fairy tales today!
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You and Your Research

- Richard Wesley Hamming
  (1915 - 1998)
- Manhattan Project (1945)
- Bell Labs (1946 - 1976)
- Turing Award (1968)

The IEEE Richard W. Hamming Medal is an award given annually since 1988 for "exceptional contributions to information sciences, systems and technology".

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How to Have a Bad Career in Research/Academia

- David Andrew Patterson
- (1947 - age 65)
- RISC
- RAID
- ACM Distinguished Service Award
- ACM-IEEE Eckert-Mauchly Award
- ACM President (2004 - 2006)

Source: http://www.cs.berkeley.edu/~pattrsn/talks/BadCareer.pdf
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A PhD Is Not Enough!
A Guide to Survival in Science

- Peter J Feibelman
- Sandia National Laboratories (1974 - )
- Davisson-Germer Prize of the American Physicist Society for outstanding research in Surface Science (1989)
- Book Summary: [http://victormlgh.blogspot.com/2012/04/phd-is-not-enough-guide-to-survival-in.html](http://victormlgh.blogspot.com/2012/04/phd-is-not-enough-guide-to-survival-in.html)
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Few more things to think about
"... the best description of the modern PhD experience in CS that I know of. People working on, or thinking about working on, a PhD in CS should read it."
Ahmed Abdelkader
Faculty of Engineering, Alexandria University
Computational Geometry - Robotics
Verified email at alexu.edu.eg
Homepage

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Title / Author | Cited by | Year  
Analysis of a device-free passive tracking system in typical wireless environments  | 20  | 2009  
AE Kosba, A Abdelkader, M Youssef  
New Technologies, Mobility and Security (NTMS), 2009 3rd International ...  
Angular Heuristics for Coverage Maximization in Multi-camera Surveillance  | 2012  
A Abdelkader, M Mokhtar, H EI-Alfy  
Advanced Video and Signal-Based Surveillance (AVSS), 2012 IEEE Ninth ...  
Visibility Induction for Discretized Pursuit-Evasion Games  | 2012  
A Abdelkader, H EI-Alfy  
AAAI Conference on Artificial Intelligence
The one paper that can change your career
DON'T MISS IT
"When you want to succeed, as bad as you want to breathe, THEN you'll be Successful!"

-Eric Thomas
Thomas Edison famously said, "Genius is 1% inspiration, and 99% perspiration."

99U is Behance's effort to provide this "missing curriculum" for making ideas happen. Through our Webby Award-winning website, popular events, and bestselling books, we share pragmatic, action-oriented insights from leading researchers and visionary creatives.

http://99u.com/category/disconnecting

Eisenbud's hobbies are juggling (he has written two papers on the mathematics of juggling) and music.
It is modern culture—specifically the presumed equality of all the members of the society, secularism, and choice in self-definition—that makes the formation of the individual identity difficult. A member of a nation can no longer learn who or what s/he is from the environment. Modern culture leaves us free to decide what to be and to make ourselves. Paradoxically, in effect placed in control over our destiny, we are far more likely to be dissatisfied with it, than would be a person deprived of any such control: not having a choice, such a person would try to do the best with what one has and enjoy it as far as possible. Conversely, the presence of choice, the very ability to imagine oneself in a position different from one currently occupied or that of one’s parents, and the idea that social orders in general are created by people and may be changed make one suspect that one’s current situation is not the best one can have and to strive for a better one. The more choices one has, the less secure one becomes in the choices already made (by one or for one) and making up one’s mind grows increasingly difficult.
أحد رواد النهضة الفكرية الإسلامية في القرن العشرين
يعتبر امتداداً لابن خلدون
أول من أودع منهجاً محدداً في بحث مشكلة المسلمين على أساس من علم النفس
والاجتماع وسنة التاريخ
لا يمكن لصورة قبيحة أن تؤتي بالخيال الجميل، فإن لمنظرها القبيحة في النفس
خيالاً أبطأ، والمجتمع الذي ينطوي على صور قبيحة، لا بد أن يظهر أثر هذه
الصور في أفكاره، وآعماله، ومساعيه.
Questions?

Thanks for coming!