Outline

• Context: Qatar and Education City
• Programs
• Faculty
• Students
• Alumni
• Other
Qatar
Qatar

• ~ 2.05M people (< 300,000 Qataris)
• Highest GDP per capita ($145,300)
  – 19.4% real growth rate (2\textsuperscript{nd} in the world)
  – Oil and gas is 70% of GDP
• Be a knowledge-based economy by 2030
  – Huge investment in education
  – 2.8% of GDP committed to research

Source: CIA Factbook 2011
Doha
Qatar Foundation

• An independent nonprofit organization committed to the development of Qatar and its people
  – Founded 1995
  – Chaired by Sheika Moza
Education City

• 3700 acres
• 8 international branch campuses
• ~2,500 students
  – 30% live on campus
  – 90 students nationalities
  – 70 percent of students receive QF scholarships or loans
Carnegie Mellon University in Qatar

• Started in 2004
  – 10th year Celebrations on March 18, 2014

• Offer Undergraduate Degrees
  – Biological Sciences (2011)
  – Business Administration (2004)
  – Computational Biology (2011)
Faculty

- Business Administration – 14
- Biology – 5
- Computer Science – 10
- Information Systems – 5
- General Education – 20
  - Math, Sciences, English, Humanities
Students: 10 Year Summary

Student Enrollment by Academic Year

Academic Year

Students

- Information Systems
- Computer Science
- Business Administration
- Biological Sciences
Students: 10 Year Summary

Qatari and Total Enrollment by Academic Year

- Other nationalities
- Qatari students

Academic Year:
- 2004-05
- 2005-06
- 2006-07
- 2007-08
- 2008-09
- 2009-10
- 2010-11
- 2011-12
- 2012-13
- 2013-14
Students: 10 Year Summary

Students Enrolled by Gender

Academic Year

Students

Male
Female

Carnegie Mellon University Qatar
# Students (As of Spring 2014)

<table>
<thead>
<tr>
<th></th>
<th>Qatari</th>
<th>Non-Qatari</th>
<th>Total by Gen</th>
<th>Total</th>
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## Student Exchange

### Pittsburgh / Doha Exchange

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*Does not include IMPAQI students*
## Graduates

### Graduation Data

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Graduate Employment
Top 10 Sectors

• Oil and Gas Industries
• Banking & Finance
• Education
• Technology
• Non-Profit Orgs

• Telecommunications
• Industrial Goods
• Government
• Research and Development
• Arts and Culture
Graduate Employment
Top 10 Employers

- Qatar Petroleum
- Ooredoo
- Qatar Gas (QATARGAS)
- General Electric (GE)
- Qatar Foundation
- RasGas
- Vodafone
- Shell
- Carnegie Mellon University Qatar
- Commercial Bank
Graduate Employment

- KPMG
- PWC
- Ernst & Young
- RasGas
- Qatar Olympic Committee
- Qatar Petroleum
- Dolphin Energy
- Northwestern Univ. Qatar
- Conoco Phillips
- MS Research
- Exxon Mobil
- Qatar Gas
- ICT Qatar
- CMU-Q
- Google
- Microsoft
- Disney World

- Qatar Foundation
- Nestle
- Citi
- HSBC
- Qatar National Bank
- Qatar Central Bank
- Commercial Bank of Qatar
- GE
- Qtel/Ooredoo
- Shell
- QWIC
- Fuego
- QCRI
- Doha Int. Airport
- vodafone
Graduate Schools

- PhD, RI at SCS, CMU-P
- MS, HCI at SCS, CMU-P
- MS, CS at SCS, CMU-P
- MS, CS at University of Michigan (2)
- PhD, CS at UC Irvine
- MS, MISM at Heinz College, CMU-P
- MS, Public Policy at Heinz College, CMU-P
- MS, Oxford University
- MS, UC London
- MS, Univ. of Liverpool
- MS, VCU
- MS, Duke University
- MS, Leipzig Graduate school of Management
- MS, King’s College
- MS, London School of Economics
- MS, Cass Business School London

Accepted this year
- M.Sc., CS CMU-P
- 5th Masters, RI, CMU-P
- M.Sc., HCI, CMU-P
- M.Sc., CS, Stanford
- M.Sc., CS, G Tech
- M.Sc., HCI, Univ. Mich.
- M.Sc., MIS, Univ. Arizona
Student Achievements (QCS)

• Google Anita Borg Scholarships
  – Keghani Kouzoujian (‘09)
  – Samreen Anjum (‘10)
  – Hanan Alshishabubakr (‘13)
  – Sidra Alam (‘13)

• Phi Beta Kappa
  – Hend Gedawdy (‘09)

• SCS Alumni Thesis Awards (‘08, ’09)
  – Noura El'Moughny (‘09)
  – Hatem Alismail (‘09)

• Grace Murray Hopper Undergraduate Research Award (2013)
  – Amna AlZeyara (‘14)

• Qatar Annual Research Award
  – Amna AlZeyara (‘14) – won in 2011
  – Dania Abedabbou (‘12) – won in 2012

• Andrew Carnegie Scholar (‘09)
  – Qatar Andrew Carnegie Scholar (‘10, ’11)

• Student papers at international conferences
  – IEEE ICRA’07, IEEE/RSJ IROS’09, ACM DEV 2010 (x2)
  – ICTD 2010, student monograph

5th Year Scholar
• Keghani Kouzoujian (’09)
• Afnan Fahim (’13)
Student Achievements (QIS)

- Founding of the first students’ chapter of the AIS association in the GCC
- AIS student chapter won the best communication award in 2011
- First place in AIS students competition in 2012, for IT risk management
  - Aamir Masood (‘12)
- 1st Prize GCC Henkel competition in 2014
  - Jaasim Polin, Sarah Mustafa (‘14)
- Best paper award, UCIS, 2014
  - Daniel Cheweiky (‘14)
- Andrew Carnegie Scholar
  - Qatar Andrew Carnegie Scholar (‘13)
- Senior honors thesis
  - Fatema Akbar (‘13), Marwa Al-Fakhri (‘13)
  - Seven in progress (‘14)
- Student papers at international conferences, Book Chapters
  - Procedia Technology, Elsevier, The International Journal of Telemedicine and Applications
  - Information Systems and Technologies for Enhancing Health and Social Care, IGI
  - ISDOC’12, The Hamlyn Symposium on Medical Robotics’12
  - Keynote speech Ellucian Live Middle East conference on technology and education
  - UCIS’11,’12,’13,’14
Outreach Activities

• Distinguished Lectures
• Dean’s Lecture Series
• Dignitaries
• Seminars
• Executive Ed, Public Workshops and Tutorials
  • E-business strategies
  • Natural Language Processing
  • Cyber Security
  • Conflict Resolution
  • Qatari Law
  • Dynamic organizational leadership
  • Bioinformatics…
• Educational Outreach
• Conferences
Distinguished Lectures

• A. Nico Habermann Distinguished Lectures
  – Raj Reddy, Randy Bryant, Kurt Mehlhorn, Takeo Kanade, Tom Mitchell

• Richard Cyert Distinguished Lectures
  – Kannan Srinivasan, Finn Kydland, Jerome Apt III

• Patrick Crecine Distinguished Lectures
  – John P. Lehoczky,
Dignitaries

- Hillary Clinton – Sec. of State
- Steven Chu – Sec. of Energy
- Bill Gates
Conferences

• ICTD
• LPAR 2008
• ASIAN ‘07
Keynotes by Bill Gates and Carlos Braga

100+ registrations to date plus ~100 scholarship applications

18 papers accepted for oral presentation

27 papers accepted for poster presentation

4 panels, 3 workshops, ~40 demos
Top conference in computational logic

• 154 submissions (all times record), 45 papers accepted
• 4 prestigious invited speakers
• Peer-reviewed
• Proceedings
A. Sabelfeld
J. Guttman
K. Kato

http://www.qatar.cmu.edu/asian07

Twelfth Annual Asian Computing Science Conference
Focusing on Computer and Network Security
Carnegie Mellon University Qatar Campus, Doha, Qatar
December 9-11, 2007

http://www.qatar.cmu.edu/asian07

Carnegie Mellon Qatar Campus

Peer-reviewed proceedings

Springer Lecture Notes in Computer Science
Educational Outreach

- CS4Qatar
  - Computer Science for High School Students
- High School Programming Competition
- Botball
- Ibtikar – Innovation
- Live the Information Systems experience
- Tajer-Day – Commerce Day (BA)
- Biotechnology Explorer
- Summer College Preview Program
Pittsburgh – Qatar Interaction in Education

• 67-329: Contemporary themes in global systems: Joint global projects
• Architecture: Joint videoconference course
• 15-213 Computer Systems (Summers)
• 15-389 Cloud Computing (Springs)
• 15-418 Parallel Computer Architecture and Programming (Springs)
• 15-384 Robotic Manipulation
• Misc. History Courses
Research

• Since 2008, Qatar National Research Fund (QNRF) has been funding projects
  • NPRP – National Priorities Research Program
  • YSREP – Young Scientists Research Experience Program
  • UREP – Undergraduate Research Experience Program
• QNRF also supports Post-docs and PhD students.
Research

• CMU-Q as submitting institution was awarded
  – 32 NPRP Projects (~$1M each)
  • 13 jointly with colleagues in CMU-P
  – 5 YSREP Projects (~$300K each)
  – 16 UREP Projects (~$10K each)

• Numerous Post-docs and Research Associates/Engineers employed on these projects
Thanks

• Questions?