System z Academic Initiative

Martin Hejda

NWL Leader

CEE/RCIS System z
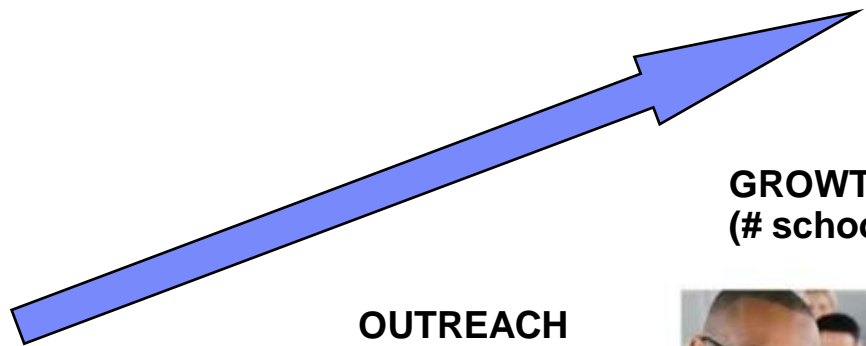
To increase enterprise systems skills, IBM is …

1. Enabling schools world wide to teach IBM Enterprise Systems (ibm.com/university/systemz – list of schools)

2. Connecting clients & community with professors teaching System z

3. Involving the mainframe community at roundtables, lectures, & internships on campus

4. Assisting with training alternatives and resources

System z Academic Initiatives

7 Years of investment, outreach, & growth =
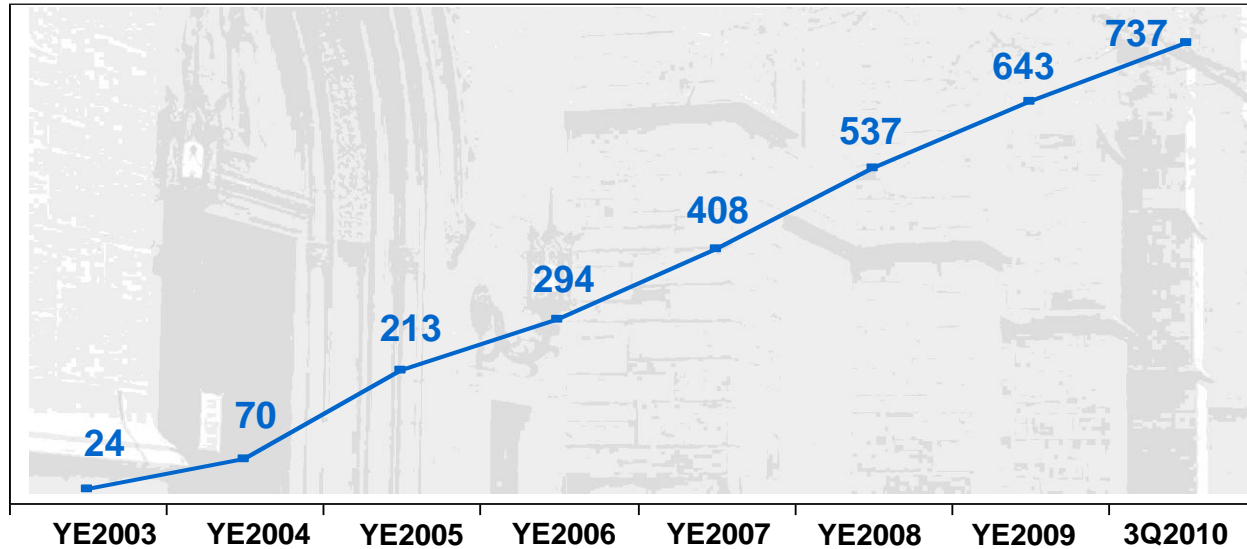
2010
Student Hiring

CONNECTIONS
(academia/industry)

GROWTH
(# schools)

OUTREACH
(community)

Program
INVESTMENT
Continues

Member schools worldwide in System z Academic Initiative

Line chart showing member schools growth:
- YE2003: 24
- YE2004: 70
- YE2005: 213
- YE2006: 294
- YE2007: 408
- YE2008: 537
- YE2009: 643
- 3Q2010: 737

- **>50,000 students attended mainframe education in 61 countries**

- Participation continues to increase **–**
  - 45% North America
  - 24% Europe, Middle East, and Africa
  - 16% Latin America
  - 15% Asia/Pacific

- Wide variety of schools in the program - *Different level of participation*
- All programs are unique - **Designed to provide flexibility to the school to meet their requirements**

Schools Participating in z Academic Initiative - Globally

184

314

103

112

4

11
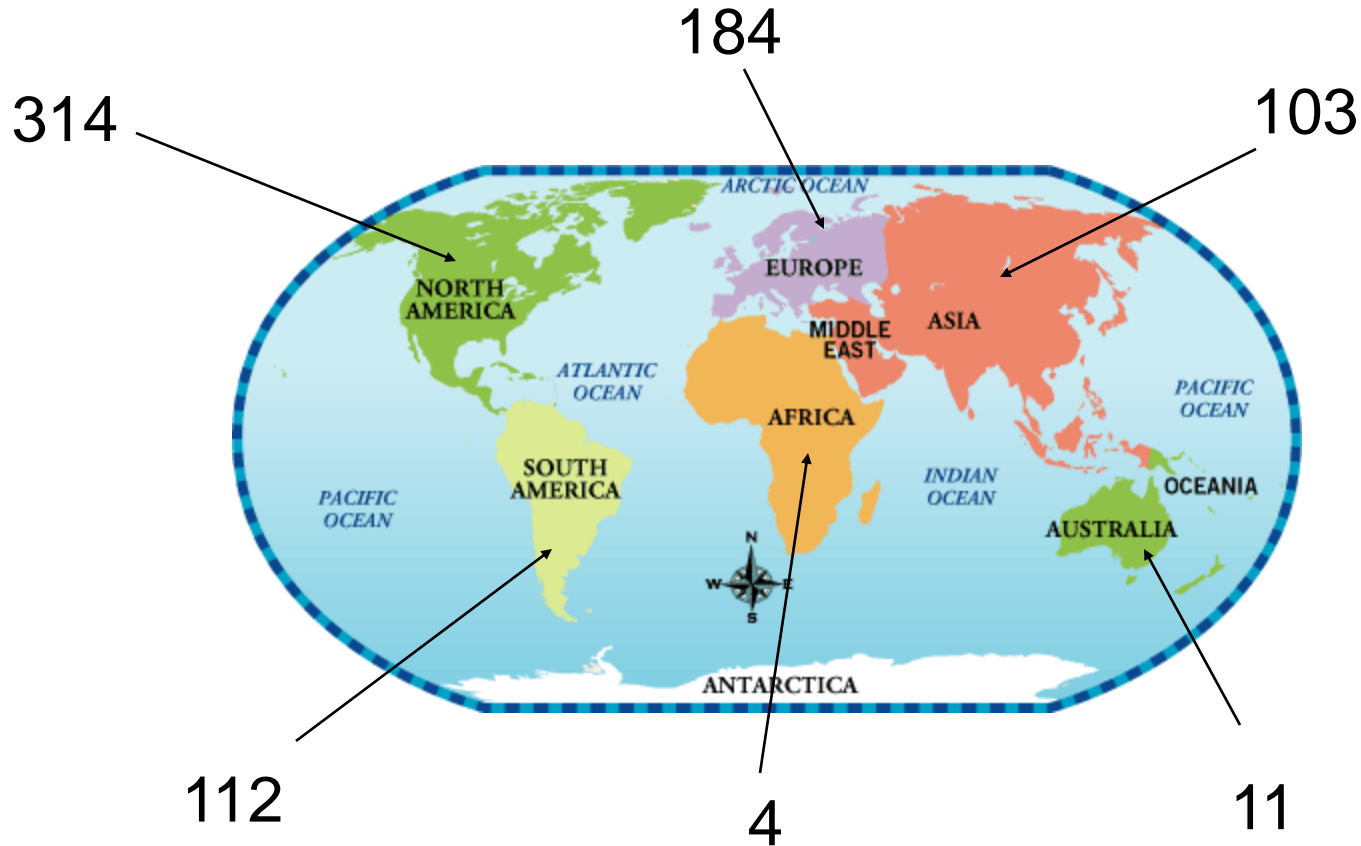
Leadership globally to connect clients with universities

Ibm.com/university/systemz

System z
Academic Initiative program

Learn	Teach	Connect	Support	Participating schools

US & Canada | Europe, Middle East, Africa | Latin America | Asia Pacific

Educators from all over the world are currently investigating or actively teaching mainframe technologies. This is a partial listing of the most active schools in the United States and Canada. The schools are listed alphabetically by state or province.

To be included in the list, or for general inquiries, please contact the System z Academic Initiative team at zskills@us.ibm.com.

States and provinces with participating schools

Multiple U.S. locations	Illinois	New York
Alabama	Indiana	North Carolina
Arizona	Iowa	Ohio
Arkansas	Louisiana	Pennsylvania
California	Maryland	South Carolina
Colorado	Massachusetts	South Dakota
Delaware	Minnesota	Texas
Florida	Missouri	Utah
Georgia	Nebraska	West Virginia
Idaho	New Jersey	Wisconsin

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System z Academic Initiatives – <u>Assist</u> and <u>Enable</u> educators, clients, and community

Access to mainframes worldwide for teaching (no fee)

Marist College NY

U of Arkansas

Illinois State U

Syracuse U

NC A&T U

SC CESM

Brazil

Germany

France

China

45 Courses, z/OS Mastery Exams, Coupons, Professor Seminars, Ambassadors, Funding & Support world wide, Job Board,

z Skills Help Desk
to assist clients and community
zskills @us.ibm.com

Student Mainframe Contests
 5 years
- *15 countries*
- *22,000 students, 3000 schools*

Awareness – academic and industry
Roundtables, conferences, seminars,
Expanding worldwide

Student Mainframe Contests: Generating student interest

- **15 countries to date**

  1. Brazil
  2. Belgium (BeNeLux)
  3. Netherlands (BeNeLux)
  4. Luxembourg (BeNeLux)
  5. Norway (Nordics)
  6. Denmark (Nordics)
  7. Sweden (Nordics)
  8. Finland (Nordics)
  9. Thailand
  10. United Kingdom
  11. United States
  12. Canada
  13. Australia
  14. Taiwan
  15. Russia

- **Contests coming in 2010**

  - France (new)
  - Mexico (new)
  - Australia
  - Russia
  - US and Canada
  - Taiwan
  - Brazil
  - UK
  - Netherlands

Location	Contests	Students	Schools
Brazil	2007 2008 2009	2011 3287 2008	390 400 390
BeNeLux	2007	76	9
Nordics	2007	147	11
Thailand	2007	960	40
UK	2006 2007 2008 2009	725 676 876 1132	40 59 64 70
North America	2005 2006 2007 2008 2009	750 1085 1750 1879 3000	85 177 325 325 425
Australia	2008 2009	450 315	31 29
Taiwan	2009	560	44
Russia	2009	269	41
Totals	**19**	**21,956**	**2,955**

IBM Subsidizes System z Mastery Exam In 2010, offered at no cost

- **Worldwide offering** ($95 USD value)

  - z/OS Proficiency exam for entry level system programmers

  - Available at 5000+ Prometric locations

  - Avenue for students to validate z/OS knowledge and distinguish themselves from other job candidates

  - Industry feedback: Valuable measurement of 'Entry Level Criteria '

  - Analyst input: Key indicator of available skills

  - Eligibility - faculty members and students

- **Resources**

  Based on the *Introduction to Mainframes: z/OS Basics* - 1,809 Attempts (78.9% success rate) in 28 countries

Learn more at:

www.ibm.com/developerworks/university/systemz/masterytest/

IBM System z Mastery Test
Offered at no charge in 2010

Learn how you can benefit from taking the IBM System z Mastery Test!

Opportunities for clients to increase mainframe skills

- List of schools teaching the mainframe
  No charge   **ibm.com**/university/systemz

- Enterprise Computing Community
  No charge   ecc.marist.edu/

- z/OS® Certificate Program
  Reduced Fee – college credits   idcp.org/learnzos

- IBM Training e-learning bundles
  Reduced Fee   **ibm.com**/training

- Community Resources
  No charge   **ibm.com**/systems/z/advantages/newtosystemz/

- Introduction to z Mini-Bootcamp
  No charge – web deliverable   idcp.org/learnzos

- z Skills Help Desk   **ibm.com**/systems/z/education/skills_coursematerials.html
  No charge

"Bank of America is building a new generation of talent to support our infrastructure. We've hired students from colleges and universities enrolled in IBM's Academic Initiative. The students from those schools have the knowledge and skills ready to support the System z"
Kim Grim, Senior Vice President, Mainframe Engineering at Bank of America

"Garanti Bank has hired 20 students from Yildiz Teknik University in Istanbul. *We can say* <u>both the students and Garanti</u>*, have a* motivation to work and invest on developing skills in mainframe arena. *Garanti supports the university with 2 system programmers as teachers* and have taught more than 100 students in three years."

Golfem Ogutken, Garanti Bank

"For the past 18 months, Citigroup has actively pursued job creation opportunities in mainframe computing. IBM's Master the Mainframe Contest offers a great resource to secure candidates and helps the company get critical skills as quickly as possible," said Martin Kennedy, managing director at Citigroup."

GROWING SKILLS for the MAINFRAME COMMUNITY

- *IBM continues to <u>invest</u> in developing leaders in enterprise systems*

- *The program and the number of schools continues to <u>grow</u>*

- *The mainframe community is <u>connecting</u> with System z Academic Initiative member schools*

- *There are frequent <u>examples</u> of hiring and investment in mainframe skills*