

Thrills for Skills Seekers: Enterprise MOOCs and Master the Mainframe World Champions!

*Enterprise Computing Conference
June 2014*

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Celebrating 50 years of the Mainframe

- Mainframe50 Celebration in NYC – April 8th
- Skills announcements and initiatives
- Master the Mainframe World Championship
- MOOC Courses - Education for all
 - Offer critical Enterprise skills for students and professionals
 - Available globally

IBM, Marist College, Syracuse University, and The Linux Foundation present a MOOC Series on Enterprise Computing



Massive Open Online Courses (MOOC)

Online courses will be open
to anyone, anywhere, anytime,
all 100% free.

MARIST

**Introduction to Enterprise
Systems**



SYRACUSE UNIVERSITY

**Enterprise Computing
Strategies**



Introduction to Linux

Enterprise Systems MOOC Series

- Introduces individuals across the globe to important IT and mainframe concepts and skills
- Designed for a global audience
- No learning prerequisites
- Self paced
- Learning assessments throughout
- Taught / written by experts in industry and academia
- Staggered start times
 - Take one or all three courses
- No cost

Announcing Three New Massive Enterprise Computing Skills On-line Courses (MOOCs):

- Marist College: An Introduction to Enterprise Computing
 - Course open from May 15-July 15, 2014
- Syracuse University: Enterprise Computing Strategies
 - Course open from September 2-October 14
- Linux Foundation: Introduction to Linux
 - Course open starting August 1, 2014

→ IBM.com/Mainframe50

IBM

MOOC Descriptions

Marist College	Syracuse University	The Linux Foundation
<p><i>An Introduction to Enterprise Computing</i></p>	<p><i>Enterprise Computing Strategies</i></p>	<p><i>Introduction to Linux</i></p>
<ul style="list-style-type: none"> • Introduces the concepts of enterprise computing • Explains the role of the IBM System z hardware and its primary operating system z/OS • Intended for participants who wish to begin their studies of System z or expand their understanding of large systems with an emphasis on commercial computing. • Provide an overview of different types of workloads; for example, transaction processing, business analytics, end user interactive computing, web serving, data serving, batch, and many others. 	<ul style="list-style-type: none"> • Designed to help participants develop a new appreciation for the issues and challenges faced by the modern technology manager and offer guidance for developing the skills and tools needed to make more informed computing infrastructure decisions in the enterprise computing environment • Focuses on strategies in computing resource provisioning, ways to help organizations save money on equipment acquisition and labor, reducing energy consumption, and simplifying and securing IT infrastructure. 	<ul style="list-style-type: none"> • Presented by the Linux Foundation, a nonprofit consortium focused on open source • Designed for those who have limited or no previous expose to Linux • Linux appears in many different architectures, from mainframes to server to desktop to mobile, and on a staggeringly wide variety of hardware • Participants will explore tools and techniques commonly used by Linux programmers, system administrators and end users to achieve day-to-day work in a Linux environment.

MOOC Schedule

	Marist College	Syracuse University	The Linux Foundation
Title	<i>An Introduction to Enterprise Computing</i>	<i>Enterprise Computing Strategies</i>	<i>Introduction to Linux</i>
Registration dates	4/6 – 7/15	4/8 – 9/8	Open registration and enrollment
Start date	5/15	9/2	Course available on 8/1
End date	7/15	10/14	Open registration and enrollment
Registration link	https://mooc.marist.edu/web/ecc	ischool.syr.edu/ecsmooc	https://www.edx.org/course/linuxfoundationx/linuxfoundationx-lfs101x-introduction-1621
Estimated hours	35 – 45 hours	40 – 60 hours	40 – 50 hours
Instructor(s)	Angelo Corridori	Dave Dischiave and Susan Dischiave	Jerry Cooperstein

Master the Mainframe Contest growth



- Master the Mainframe Contests run regionally since 2005
 - Hands-on introduction to System z
 - No experience necessary
 - Increasing difficulty, increasing prize levels
 - Part 1: 1-2 hours to complete, win a T-shirt
 - Part 2: 10-20 hours to complete, win IBM Prize Pack (\$100)
 - Part 3: Weeks to months to complete, win a tablet computer and a trip to an IBM
- 38 countries, 70,000 students, 6 continents
- US & Canada: Nine consecutive years of growth
 - 750 students in 2005
 - 5,601 students in 2013 (including over 2,000 high school students)

Master the Mainframe Contest *Lake Brantley High School – 220 students enrolled*



<http://youtu.be/SNu1b-bBuh8>

Master the Mainframe World Championship

43 students, 23 countries, 1 champion



IBM MASTER THE MAINFRAME
WORLD
CHAMPIONSHIP

<http://ibm.co/mtm>

Master the Mainframe World Championship

The world's top students compete

IBM MASTER THE MAINFRAME

WORLD CHAMPIONSHIP

- Remote challenges: March 10 – April 4
 - Students log on from home country
 - IBM teams supporting each student, regular teleconferences
 - Students submit briefs: Systems of Engagement vs. Systems of Record
- In-person preliminary round: April 6
 - Hosted at the IBM Executive Briefing Center, Poughkeepsie
 - Students demonstrate banking application
 - Judges from across the lab
- Final round: April 7
 - Hosted at IBM facility, 590 Madison Ave, NYC
 - Top six students from previous rounds
 - Judges from across industry and academia



Master the Mainframe World Championship

The all-star judges

IBM MASTER THE MAINFRAME WORLD CHAMPIONSHIP



David Ditillo
MetLife Insurance



Jenna-Shae Banks
First Citizens Bank



Seth Reichelson
Lake Brantley High School



Jeff Gill
VISA



Susan Dischiave
Syracuse University



Lonnie Emard
BlueCross BlueShield of SC



Master the Mainframe World Championship

The highlight reel

IBM MASTER THE MAINFRAME
WORLD
CHAMPIONSHIP



http://youtu.be/bDcpE_JVeqA

Master the Mainframe World Championship

The results!

IBM MASTER THE MAINFRAME WORLD CHAMPIONSHIP



- 1st place: **Yong-Siang Shih**, *Taiwan*
- 2nd place: **Rijnard van Tonder**, *South Africa*
- 3rd place: **Philipp Egli**, *United Kingdom*
- 4th place: **Mugdha Kadam**, *United States*
- 5th place: **Shahini Sengupta**, *India*
- 6th place: **Aaron Call Barreiro**, *Spain*

Master the Mainframe World Championship

Shared memories, shared futures

IBM MASTER THE MAINFRAME WORLD CHAMPIONSHIP



Master the Mainframe Contests worldwide

New web portal



<http://ibm.co/mtm>

- Upcoming contests
- Highlights from World Championship
- Resources and information for:
 - Students
 - Parents
 - Employers
 - Educators



<https://www.facebook.com/MasterTheMainframe>

Master the Mainframe Contests worldwide

Big plans for 2014



IBM MASTER THE MAINFRAME

- Meet Troy Crutcher (tdcrutch@us.ibm.com), the new contest team leader!
- Contest lineup for 2014:



- Australia
- Belgium
- Brazil
- Canada
- China
- France
- Germany
- India
- Kenya
- Luxembourg
- Mexico
- Netherlands
- Poland
- Puerto Rico
- Russia
- South Africa
- South America
- Spain
- Switzerland
- Taiwan
- Ukraine
- United Kingdom
- United States

<http://ibm.co/mtm>

Questions?