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Integration of Live Radio Programming & Real-time Blogging in the Macaulay Honors College Seminar III on Science and Technology in New York City

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Integration of Live Radio Programming & Real-time Blogging in the Macaulay Honors College Seminar III on Science and Technology in New York City

Angelo Lampousis, City College of New York
Aaron Kendall, Macaulay Honors College
Chris Caruso, Macaulay Honors College

Shepard Hall 202
May 8, 2015
Outline

• Activities Timetable
• Alliances
• Student Engagement
• Results & Outcomes
• Conclusions & Recommendations
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Activities Timetable

• 2009 – 2011
Radio Program Innovation Unedited via WNYE 91.5 Cosmos FM

• 2012 – Present
WHCR 90.3 FM
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A workshop simulating the experience of taking part in the process of creating voluntary consensus standards was held by the American National Standards Institute (ANSI) on Tuesday, November 19, 2013, in New York City. The simulation was held at the William E. Macaulay Honors College of the City University of New York (CUNY) and facilitated by Jorrit De Jong, a research fellow at the Harvard Kennedy School of Government.

Source
http://www.ansi.org/news_publications/news_story.aspx?menuid=7&articleid=b51d1ea0-be54-403b-90b7-dc6be7d996ff
Alliances

Standards Development Organizations: ASTM
Alliances

Standards Development Organizations: ASTM
Q&A with Thomas A. Schwartz
2014 Chairman of the ASTM Board of Directors

Macaulay Honors Students Meet ASTM President in New York City

CUNY Honors College Seminar Features Live Radio Interview with James Thomas
ASTM International President James A. Thomas spoke with students from the Macaulay Honors College, part of the City University of New York, in New York, N.Y., on Oct. 21, 2013. The venue for Thomas’ presentation was unique: a live interview on the radio show "Innovation Unfiltered" from WQXR 90.3 FM, "The voice of Harlem," a community radio station broadcasting from the CUNY campus.

Thomas was interviewed by Angelo Lampousis, Ph.D., Department of Earth and Atmospheric Science, City College of New York-CUNY. Students from Lampousis’ seminar on Science and Technology in New York City watched the interview in the “green room” adjacent to the studio and met with Thomas after the broadcast.

Lampousis and Thomas opened the show by talking about global activities that ASTM has been involved with this year. Thomas and Lampousis also discussed ASTM’s involvement with CUNY, which has included visits from Mary C. McKel, Ph.D., then chairman of the ASTM board of directors, and other ASTM members.

In the second half of the show Lampousis and Thomas were joined in the studio by one of the Macaulay students, James Bolehia, who asked questions on behalf of his classmates. Other topics discussed during the show included:
- The History of ASTM International
- The CUNY course on environmental site assessment, taught by Lampousis and based solely on ASTM standards, particularly E1912, Practice for Environmental Site Assessment: Phase I Environmental Site Assessment Process
- Global aspects and the importance of diversity in the development of standards
- The importance of innovation and science to the development of standards

The radio interview was audio- and video-streamed and is available on YouTube at bit.ly/3dnyzK9.

Also:
- Built Environment Advisory Committee
- Nonparametric Statistical Intervals
- The ASTM Water Portal

snonline: It’s News PLUS www.astm.org/standardization-news
...and in Spanish!

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Lampousis and Thomas opened the show by talking about global activities that ASTM has been involved with this year. Thomas and Lampousis also discussed ASTMs involvement with CUNY, which has included visits from Mary C. McKiel, Ph.D., then chairman of the ASTMs board of directors, and other ASTM members.

In the second half of the show Lampousis and Thomas were joined in the studio by one of the Macaulay students, Jamie Bochria, who asked questions on behalf of his classmates. Other topics discussed during the show included:

- The History of ASTM International
- The CUNY course on environmental site assessment, taught by Lampousis and based solely on ASTM standards, particularly E1527, Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process
- Global aspects and the importance of diversity in the development of standards
- The importance of innovation and science in the development of standards

The radio interview was audio- and video-streamed and is available on YouTube at bit.ly/Qdzy9.

Estudiantes destacados de Macaulay se reúnen con el presidente de ASTM en la ciudad de Nueva York

Seminario del CUNY Honors College presenta entrevista radial en vivo con James Thomas

El Presidente de ASTM International James Thomas dialogó con estudiantes del Macaulay Honors College, parte de la City University of Nueva York, en Nueva York, Nueva York el 21 de octubre de 2013. El sitio para la presentación de Thomas fue algo único: una entrevista en vivo en el programa de radio “Innovation unedited (Innovación sin editar)”, desde la WHCR FM 90.3, “la voz de Harlem”, una estación de radio comunitaria que transmite desde el campus de la CUNY.

Thomas fue entrevistado por el Dr. Angelo Lampousis, del Departamento de ciencias de la tierra y atmosféricas del City College de Nueva York/CUNY. Los estudiantes del seminario de Lampousis sobre Ciencia y Tecnología en la ciudad de Nueva York miraron la entrevista desde la "sala verde" al lado del estudio y se reunieron con Thomas después de la emisión.

Lampousis y Thomas abrieron el programa hablando sobre las actividades globales en las que ASTM ha participado este año. Lampousis y Thomas también discutieron sobre la relación entre ASTM y la CUNY, que ha incluido visitas de la Dra. Mary C. McKiel, cuando era presidente del consejo directivo de ASTM y de otros miembros de ASTM.

En la segunda mitad del programa, uno de los estudiantes de Maclaual, James Botwina, se sumó a Lampousis y Thomas e hizo preguntas en nombre de sus compañeros.

Fotografía cortesía de Christopher Fiore.

La historia de ASTM International;

La materia en la CUNY sobre evaluación de sitios ambientales, dictada por Lampousis y basada solo en normas de ASTM, en especial la E1527, Práctica para la evaluación de sitios ambientales: proceso de evaluación de sitios ambientales Fase I.

Aspectos globales y la importancia de la diversidad en el desarrollo de normas y

La importancia de la innovación y la ciencia en el desarrollo de normas.


Source:

Accessed Friday, May 8, 2015
Outline

• Activities Timetable

• Alliances

• **Student Engagement**

• Results & Outcomes

• Conclusions & Recommendations
Student Engagement

Why

“Innovation & Entrepreneurship Laboratory?”
Student Engagement

Innovation & Entrepreneurship Laboratory

• 2012
  – Access to pre-recorded interviews
  – Follow-up communications with interviewees

• 2013
  – Live radio programming

• 2014
  – Use of “Green Screen”
  – CUNY Nobel Laureates Focus
Student Engagement

2014 CUNY Nobel Science Challenge
The Science Behind the Prize
Outline

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Results & Outcomes

- **2012**
  - 31 entries of pre-recorded interviews and support material
  - **Blogging** in-class (first impression and follow-up)
- **2013**
  - 19 Live radio programs saved also as video pod-casts
  - **Blogging** from the “Green Room”
- **2014**
  - 15 entries of pre-recorded videos (during class time) with use of **green screen**

Overall Benefits
- Positioning of students to CCNY labs
- Re-thinking major concentrations
Course Description

In the Macaulay Honors College Seminar III students gain fundamental scientific and technological knowledge while exploring the manifestations of this knowledge in New York City. The majority of the discussions will be realized in the context of the standardization process as performed by the American National Standards Institute (ANSI) in general and the American Society of Testing and Materials (ASTM) in particular. Soon after the introductory lectures students will assume the role of a New York-based environmental professional (EP). As EPs, students will conduct a Phase I Environmental Site Assessment of a real property in New York City, as prescribed by ASTM standard E1527 - 05 Standard Practice for Environmental Site Assessments.

Innovation Unedited

Students will have the opportunity to interview innovators as part of a weekly radio broadcast, Innovation Unedited at City College’s radio station, WHCR 90.3 FM.

Innovation & Entrepreneurship Laboratory

It is essential for Macaulay Seminar III students, while on their way to becoming well-rounded University Scholars, to be introduced to science and technology topics by the actual people behind these processes. Students will be given access to short video and radio interviews featuring—among others—Nobel Laureates, innovators, entrepreneurs, technology-transfer officers from major Universities, Directors of Small Business Innovation Research (SBIR) offices from the federal government, and science and technology commentators from the mass media. This aspect of the seminar will be informed by the instructor’s journalistic experience through WNYE 91.5 Cosmos FM (i.e., part of a public television and radio station owned by the New York City Department of Education), focusing on how technological innovations are commercialized, and how they, eventually, affect people’s lives.

Seminar Instructor:

Dr. Angelo Lampousis, Ph.D.
Department of Earth and Atmospheric Sciences
City College of New York
alampousis@ccny.cuny.edu
Marshak Science Building, Room 046
Office Hours: TBA
ARNO PENZIAS NOBEL LAUREATE IN ASTROPHYSICS

November 21, 2014

“The Nobel Prize is a set of annual international awards bestowed in a number of categories by Swedish and Norwegian committees in recognition of cultural and/or scientific advances. The will of the Swedish inventor Alfred Nobel established the prizes in 1895. The prizes in Physics, Chemistry, Physiology or Medicine, Literature, and Peace were first awarded in 1901.” - Wikipedia
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Conclusions

Recommendations

• **Intended consequences**
  – A promising approach that allows students not only to comprehend science but also to communicate it to general audiences.
  – (Better) video podcasts can become reference material for other courses.

• **Unintended consequences**
  – Publicity build-up within and outside CCNY/CUNY
  – Networking opportunities for students
Acknowledgments

- Past & Present Chair of the Department of Earth and Atmospheric Sciences, CCNY
  - Jeffrey Steiner
  - Pengfei Zhang (present)
- Past & Present Director of the CCNY Honors Center
  - Robin Villa
  - Geraldine Murphy (present)
  - Susanna Yurick, Assistant Director
- Macaulay Honors College
  - Joseph Ugoretz, Associate Dean
    Teaching, Learning and Technology
- WHCR 90.3 FM
  - Angela Harden, General Manager
Questions?

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