



Scientists & Engineers
for a Better Society



WELCOME!

SEBS General Body Meeting

9:30 pm, 9/15/10

www.columbia.edu/cu/sebs




Scientists & Engineers
for a Better Society




OUR MISSION

To bring a much needed awareness to the
Columbia community about scientific
and technological issues of social
relevancy.

www.columbia.edu/cu/sebs



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2010-2011 Board

President: Sheldon Kwok
Vice-President: Kevin McDonald
Treasurer: Alden Quimby
Secretary: Tyler Pewarski
Publicity Chairs: Amy Chen and Andra Mihali
Science Outreach Coordinator: Andra Mihali
Project Leader: Jesse Choi
Economics Representative: Amy Xiao
Technology Representative: Tyler Pewarski
Policy Representative: Jason Su
Environmental Representative: Susan Ou
Webmaster: John Liu



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Past Initiatives



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Annual Research Fair





- Presentations about groundbreaking science and technology research from Columbia professors and their graduate students
- Featured research from the following departments: Chemical Engineering, Biomedical Engineering, Computer Science, Biology, Chemistry, Physics, Earth and Environmental Engineering, Statistics, Psychology, and more


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Science and Engineering Community Service Networking Night





- Highlighting all of the local groups aimed at serving their community through their knowledge of science and engineering
- Groups that participated included Engineers Without Borders, The Center for Environmental Research and Conservation, Women in Science at Columbia, and many more

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“Through the Looking Glass” – Science Meets Art



- SEBS, Columbia Science Review, and the Center for the Study of Science and Religion joined forces to organize "Through the Looking Glass – An Exploration of Science and Art" aimed at exploring these two seemingly disparate fields
- Each work utilized scientific imagery and concepts in an attempt to bridge the gap between what we conventionally think of as two separate worlds

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Speaking Events

- Presentations from Professor Upmanu Lall, Director of the Earth’s Institute’s Columbia Water Center, entitled, “Sustainable Water Development in the 21st Century” and “Will India Run Out of Water?”
- “The Transformation of the Internet” - Technology Talk from University of Pennsylvania Professor Yoo



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Earth Week Film Screening 2008


Earth Week Double Feature

A Quiet Revolution




A 30-minute film featuring three dramatic case studies of how individuals in India, Slovakia and Kenya have contributed to solving local environmental problems. Narrated by Academy Award-winning actress Meryl Streep, and featuring interviews with UN Secretary-General Kofi Annan and other experts. >

The Seeds of Change: The Earth Charter and Human Potential



"People often feel overwhelmed by the scale of the problems facing humanity. Yet the message of this exhibition is that even in the face of problems of environmental destruction and poverty, *the actions of one committed individual can make a difference.*"

Co-Sponsored by: Scientists and Engineers for a Better Society (SEBS) and Green Umbrella





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SEBS Think Tank

- Monthly group discussions during board meetings on controversial topics in science and technology
- Past issues that have been debated include the virtues of organic farming, the ability to choose the genetics of your children, and the relationship between the humanities and science at Columbia
- These discussions help shed light on current events while considering the relationship between society and science and technology



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Future Events




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- A non-profit mobile biology lab bringing science education to communities around the country
- Founded by Dr. Ben Dubin-Thaler (PhD in Cell Biology and B.A in Physics at Columbia) in 2007
- One of the founders of SEBS





All photos from www.biobus.org. Go there for more info!





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- SEBS members will have the opportunity to volunteer with BioBus directly
- Visiting public schools that do not have the resources for hands-on science education
- Also visits parks, museums, urban farms, community gardens, etc.
- Teaching students about cells, microscopes, physics, chemistry





All photos from www.biobus.org. Go there for more info!





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BioBus Events on Campus

- Proposed Two-Day Event on Campus
- Getting the BioBus on College Walk
 - Recruiting/training scientist volunteers for BioBus on campus
 - Including the many graduate departments
 - Collaborating with CI groups to bring kids for BioBus Classes
- Non-Traditional Science Career Panel
 - Non-Profit Opportunities (hosted by Dr. Ben of BioBus and other groups)
 - Collaboration with CCE
 - Community Service Fair

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Field Trips

WORLD  **NEW YORK CITY 2010**

Maker Faire



NEW YORK HALL OF SCIENCE

SEPTEMBER 25 & 26
Saturday: 10AM-7PM
Sunday: 10AM-6PM

BUY TICKETS NOW!



See the latest in technology and innovations and how they could one day revolutionize society!
Featuring: Hydrogen Fuel Cell Cars, Robots, Life-Size Mousetrap, 'Technology' Fashion, Rockets, Electric Giraffe...and much much more.

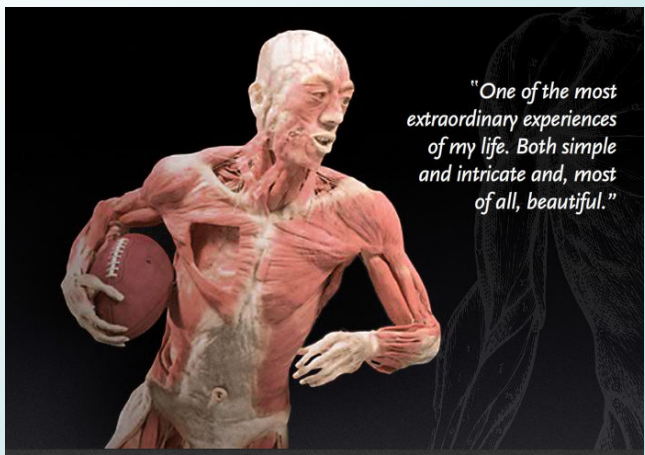
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Field Trips

BODIES
THE EXHIBITION

Showcases real, whole body specimens along with authentic individual organs; some healthy, some diseased.

Field trips to other exhibits and events are possible too!!



"One of the most extraordinary experiences of my life. Both simple and intricate and, most of all, beautiful."




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Upcoming Events

- October 19, 6-8 pm, Planet Earth/Life Screening
 - Co-sponsorship with CERC (Center for Environmental Research and Conservation) or Columbia Water Center
- November 21, 1-5 pm, Annual Research Fair!
- Science and Humanities Discussion ('Bridging the Gap') Panel (TBA)
 - Discussion on the role of science in academia
 - Relationship between scientists and humanists
- Partnership with Columbia Environmental Stewardship
 - Environmental Initiatives on Campus
 - Energy Conservation, Recycling, Compost, Green Roof, etc.
- Anything our board members come up with!




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Board Positions

Apply for available board positions!

- ▶ Historian
- ▶ Webmaster
- ▶ OCMs
- ▶ Applications will be sent out tonight and will be due on Sunday 9/19 before midnight
- ▶ Interviews will be conducted the following week



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Q & A

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THANKS FOR COMING!



We hope to see you again soon!

Helping to bridge the gap between the sciences, engineering, and social sciences!

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