Making Academic Change Happen
... impacting your classrooms, colleagues, and campus

An active workshop for current and future STEM educators
Come with challenges, projects, and ideas; leave with skills, strategies, and connections.

May 30 – June 2, 2012
Rose-Hulman Institute of Technology
Terre Haute, IN


Making Academic Change Happen (MACH). Make a positive change on your campus. Bring your ideas and challenges to Rose-Hulman Institute of Technology: a unique institution focused on undergraduate STEM education, nationally recognized as a premier college\(^1\) and a leader in educational innovation\(^2\). We’re opening our student-centered culture of respect and collaboration to individuals interested in making change happen in a variety of academic environments. As a MACH participant, you’ll leave this active workshop with skills and connections, empowered to make a difference on your campus.

**Participants**

Faculty, staff, administrators, and graduate students interested in STEM education are encouraged to attend MACH as a team of two to four people. Individuals may also apply. As part of the application process, teams/individuals will be asked to identify one or two projects they would like to implement in their classrooms and/or on their campus. These projects will be your focus for the duration of MACH.

**Workshop Format**

The four-day MACH workshop is organized around four themes: Knowing Yourself, Building a Learning Community in the Classroom, Cultivating an Allied Community of Colleagues, and Making Change Happen on Campus. We will first help participants focus on skills and change aspects that an individual faculty member can control, including interactions with students and colleagues. With this foundation, we will then help participants identify the unique opportunities and constraints of their individual academic environments, and share strategies for expanding and implementing visions of academic change. Our emphasis on self-awareness and community-building is drawn from our experiences implementing academic changes, small and large.

MACH’s foundation is an active, participant-focused format that provides flexibility to tailor the activities to the interest of the participants, individuals and teams. The facilitators will share information and facilitate discussion for teams to gain the knowledge and the skills to work successfully within your academic community.


## MACH Schedule

<table>
<thead>
<tr>
<th>Day 1 – Wednesday (5/30/2012)</th>
<th>Day 2 – Thursday (5/31/2012)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Knowing Yourself</strong></td>
<td><strong>Building a Learning Community in the Classroom</strong></td>
</tr>
<tr>
<td><strong>On this day, you will increase your understanding of:</strong></td>
<td><strong>On this day, you will practice:</strong></td>
</tr>
</tbody>
</table>
| ... Your students  
  - Millennials in general  
  - Students at your college in particular | ... Writing measurable learning objectives  
... Engaging multiple learning styles and cognitive levels  
... Using classroom assessment techniques  
... Making a safe place to learn |
| ... Your own styles of...  
  - Communication  
  - Negotiation  
  - Conflict resolution  
  - Learning  
  - Risk tolerance  
  - Leadership and followership | Keynote Dinner Speaker  
Dr. Rosemary M. Lehman  
Building community in online learning |

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<thead>
<tr>
<th>Day 3 – Friday (6/1/2012)</th>
<th>Day 4 – Saturday (6/2/2012)</th>
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<tbody>
<tr>
<td><strong>Cultivating an Allied Community of Colleagues</strong></td>
<td><strong>Making Change on Campus</strong></td>
</tr>
<tr>
<td><strong>On this day, you will practice:</strong></td>
<td><strong>On this day, you will practice:</strong></td>
</tr>
</tbody>
</table>
| ... Recognizing and respecting differences  
... Identifying prospects for mutually advantageous collegial interactions  
... Selecting conflict resolution techniques  
... Planning  
... Serving as a mentor for someone in your organization | ... Situating your vision in your institution’s culture and value  
... Identifying characteristics of successful change and successful change agents  
... Managing failure  
... Negotiating  
... Identifying local challenges, opportunities and resources |
| Keynote Speaker  
Dr. Wendy C. Newstetter  
Enacting positive change on campus |

### MACH Keynote Speakers

**Day 2 — Keynote Speech**  
**Building Community in Online Learning**

**Dr. Rosemary M. Lehman**  
Author, Online Instructor, and Distance Learning Consultant  
Partner in eInterface ([www.einterface.me](http://www.einterface.me))

**Day 4 — Keynote Speech**  
**Enacting Positive Change on Campus**

**Dr. Wendy C. Newstetter**  
Director of Learning Sciences Research  
Wallace H. Coulter Department of Biomedical Engineering at Georgia Tech ([clic.gatech.edu](http://clic.gatech.edu))
Our faculty have worked in many different environments - academic and industrial - and are experienced workshop facilitators as well as recognized educational leaders. Additional information about the faculty can be found at [www.rose-hulman.edu/MACH](http://www.rose-hulman.edu/MACH).

**Jameel Ahmed**  
Associate Professor and Interim Head, Department of Applied Biology & Biomedical Engineering

**Ella Ingram**  
Associate Professor, Department of Applied Biology & Biomedical Engineering

**Steve Chenoweth**  
Associate Professor of Computer Science & Software Engineering

**Richard A. Layton**  
Associate Professor, Department of Mechanical Engineering; Former Director, Center for the Practice and Scholarship of Education

**Kay C Dee**  
Professor of Applied Biology & Biomedical Engineering; Founding Director, Center for the Practice and Scholarship of Education

**Donald E. Richards**  
Professor, Department of Mechanical Engineering; Director, Center for the Practice and Scholarship of Education

**Craig G. Downing**  
Associate Professor and Interim Head, Department of Engineering Management

**Julia M. Williams**  
Executive Director, Office of Institutional Research, Planning and Assessment; Professor of English, Department of Humanities and Social Sciences

**General Information**

**Location & Typical Day:** All sessions will take place on the campus of Rose-Hulman Institute of Technology in Terre Haute, IN. Sessions will run from 9:00 am until 5:00 pm each day and will include a continental breakfast before 9:00 am, morning and afternoon snacks, and lunch. There will be a welcome reception Wednesday evening (Day 1) and a dinner on Thursday evening (Day 2).

**Workshop Fee:** The fee for the workshop is $800 USD and covers all workshop materials and sessions, continental breakfasts and lunches, snacks, welcome reception (Day 1), and dinner (Day 2).

**Teams:** To encourage a team from an institution to attend, the fee is reduced to $700 USD for the second team member and $600 USD for each additional team member.

**Graduate Students:** A limited number of **MACH Change Agent Grants** are available to cover the workshop fee for graduate students.

**Housing & Travel:** Housing, travel, and meals (except those listed above) are the participant’s responsibility. If you are traveling by air, the nearest airport is the Indianapolis International Airport (IND) which is located approximately 70 miles east of Terre Haute. You will need to rent a car at the airport to drive to either the Rose-Hulman campus or to the hotels. Other transportation options, such as ride share, may be available.

Housing is available at several hotels within a short drive of the campus. A block of hotel rooms will be held for the participants. Approximate cost for a hotel room (single occupancy) is $100 per night plus tax. Housing is also available in on-campus residence halls at $17.60/person plus 12% tax for a shared double room or $25 plus tax for a single.
Because attendance is limited and an application is required, please do not purchase tickets for travel or hotel accommodations until you receive confirmation of your acceptance. Detailed information about housing and additional travel directions will be sent to participants after acceptance.

Rose-Hulman reserves the right to make changes in the workshop without notice to improve the workshop and to respond to participant interests and changes in personnel.

**Application and Acceptance Process**

Attendance is limited and an application is required for individuals and teams. The priority application deadline is March 9, 2012. After this date, applications will be only considered on a space-available basis. Applications submitted before the priority deadline will be notified of our decision within two business days. Early application is recommended.

Once you have been accepted for the workshop, payment is due in full. Payment information will be sent with your acceptance.

All fees must be paid by April 9, 2012 or your acceptance will be cancelled. The workshop fee includes a $50 non-refundable charge. No refunds for cancellation can be made after May 16, 2012.

On the application, teams and individuals are asked to provide a brief explanation (500 words or less) of the challenges, projects, and ideas that you bring to the workshop. Your responses will allow us to better match you (and your institutional team, if applicable) with workshop facilitators and other participants.

In addition, students applying for a MACH Change Agent Grant are asked to share their future plans and indicate how attending the MACH Workshop will further their goals.

The online application form can be found at [www.rose-hulman.edu/MACH](http://www.rose-hulman.edu/MACH).

**For More Information**

If you have questions or need more information, please

Visit our website:  [www.rose-hulman.edu/MACH](http://www.rose-hulman.edu/MACH)

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