Call for Abstracts

2015 Midwest Regional Robert Noyce Connections Conference

All Midwest Noyce projects are invited to submit an abstract to give a presentation at this year’s Midwest Regional Noyce Connections Conference, October 29-30, 2015. The theme of this year’s conference is Integrating STEM: Grounding STEM Learning for All. Projects may submit more than one abstract if desired.

The deadline for submissions is Monday, September 14, 2015. Submit abstracts online at http://go.unl.edu/noyceconf2015. The abstract submission website will open for business on Friday, July 31, 2015. To log in and submit an abstract, you will need to create a submission account on the online system. Authors will be notified by September 29 regarding acceptance of submissions.

We will have three sets of concurrent sessions throughout the conference. Concurrent sessions will be 45 minutes long. Please plan for presentations to include at least one-third of the time for audience engagement/interaction.

If you have questions or need to contact the conference organizers for any reason, please send an email to laugustyn2@unl.edu.

Noyce Midwest Regional Connections Conference 2015 Theme:
Integrating STEM: Grounding STEM Learning for All

Conference Strands:
1. Mathematics and Science Teaching and Learning: How do we prepare STEM teachers to integrate STEM learning for all?
2. Equity: How do we extend STEM learning for all students?
3. Assessment: How do we know we are making progress toward more effective STEM teaching and learning?
4. Recruitment and Retention: How do we recruit, train, and retain high-quality STEM teachers who can ground STEM learning for all?

Project Information
You will be asked to fill out an online form with the following information:
- Title (max 15 words)
- Co-Presenters (name, role, institutional affiliation, email address)
- Noyce project name (select from dropdown menu)
- Conference Strand (select one of the four)
- Intended Audience (select all that apply from Mathematics, Science, Pre-service, In-service, Noyce Scholars, College Faculty/Researchers, Evaluators)
- Summary (max 50 words): this will be the information about the session that will appear in the conference program
Session Overview (max 400 words): tell us your presentation goals, how you will use the 45 minutes of the session, and how this session will relate to the conference theme. At least 15 minutes should be allocated for active engagement of the audience.

Proposals can be made by any people associated with Midwest Noyce projects. Proposals will be evaluated based on their relevance to the overall conference theme, connection to one conference strand, and overall potential value to the intended audience.

Theme: Integrating STEM: Grounding STEM Learning for All
A key theme of the Noyce program is to promote high-quality STEM learning for all students, particularly those in high-need districts. With the ongoing push for “college and career ready” high school graduates, more districts are seeking to find ways to integrate STEM learning and to ensure their students are learning STEM subjects well. As you consider where your proposal will fit into this year’s Noyce conference, the following table includes key questions to help define each of the four strands.

Using the questions in the table below, please identify the strand to which your proposal best applies.

<table>
<thead>
<tr>
<th>Strand</th>
<th>Grounding STEM Learning for All</th>
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</thead>
<tbody>
<tr>
<td>2. Equity: How do we extend STEM learning for all students?</td>
<td>To what extent, or using which strategies can we expect success in single STEM discipline learning for all students? Or for Integrated STEM learning?</td>
<td>How do integrated STEM lessons support the learning of all students?</td>
<td>To what extent, or using which strategies can we expect success in STEM learning for all students?</td>
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<td>3. Assessment: How do we know we are making progress toward more effective STEM teaching and learning?</td>
<td>How do know we are preparing secondary math and science teachers to effectively teach students in ways that meet district and state STEM content objectives?</td>
<td>How do we prepare teachers to adequately assess their students’ STEM learning? What measures could we (should we) use to know that we are making progress for all students?</td>
<td>What are the best strategies for assessment that address the skills of all students? What are the best strategies for assessment of particular subgroup of students?</td>
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<td>4. Recruitment and Retention: How do we recruit, train, and retain high-quality STEM teachers who can ground STEM learning for all?</td>
<td>How do we recruit STEM career changers to become secondary STEM teachers?</td>
<td>How do we recruit and retain STEM teachers who are proficient in the teaching of a single STEM discipline? How do we recruit and retain STEM teachers who are proficient in the teaching of integrated STEM disciplines?</td>
<td>What are the best strategies for recruitment and retention of STEM teachers who are able to teach all students?</td>
</tr>
</tbody>
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