



K12 and Precollege Engineering Division Report

June 2014

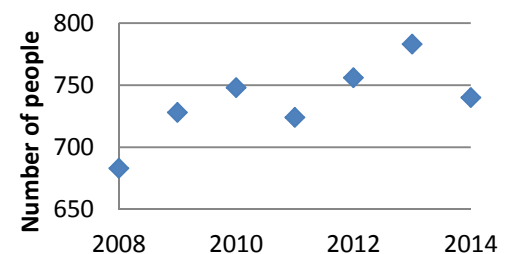
Division Accomplishments:

- ✓ K12 division membership remains strong with 740 members, representing 6.2% of ASEE members.
- ✓ K12 memberships within ASEE continue to rise, with 210 members currently.
- ✓ Our members include almost twice the percentage of women (46%) than ASEE overall (24%).
- ✓ K12 has one of the largest programs at the 2014 Annual Conference.
- ✓ We had 176 abstracts and 129 draft papers submitted for review and 116 papers finalized for the program! Each paper received 2-3 independent blind reviews. A heartfelt THANKS goes out to the 205 members who reviewed. 68 orally presented papers and 26 posters are scheduled into 19 technical sessions and the division's poster session. Additionally, the 4th annual Curriculum Exchange will host 18 presenters.
- ✓ The Division will hold its popular 7th annual Best Practices Panel on K-12 University Partnerships in 2014. A committee of members selects one invitee for each grade band. Participating K-12 teachers present on their partnership with the associated university.
- ✓ Pamela Lottero-Perdue and Liz Parry are the recipients of this year's Overall Best Conference Paper. Their paper, *Perspectives on Failure in the Classroom by Elementary Teachers New to Teaching Engineering*, will be presented at Session T547 on Tuesday, June 17 at 2:15 pm in Room 109 of the Indianapolis Convention Center.
- ✓ We welcomed Stephanie Harrington-Hurd to ASEE HQ as the new K12 Liaison.
- ✓ The division hosted an ASEE K12 booth at the USA Science and Engineering Festival in April. We welcomed hundreds of students and their parents and teachers to our hands-on projects and shared information about the division with teachers. Numerous division members served in one or more 2-hour windows in the booth.
- ✓ Members of the division hosted Engineering Days at each of the three NSTA Regional Conferences this past fall serving thousands of teachers at these conferences.
- ✓ The membership approved changes to the division by-laws creating additional positions on the executive board for classroom teachers, reflecting a division goal of increasing the role and number of K12 teachers.
- ✓ Standards for the professional development of teachers of engineering were created along with a matrix to help users describe the emphasis of their programs. The standard and matrix, along with a literature summary, will be available through ASEE soon.
- ✓ The division partnered with HQ to host the 11th annual K12 Workshop on Saturday, June 14.

Division Mission and Vision

The Division strives to provide a focus for development of innovative K-12 engineering education curricula and delivery approaches and a forum for the presentation and sharing of K-12 engineering educational initiatives and methods; create a vital community engaged in K-12 engineering initiatives; encourage the professional development of teachers in K-12 engineering education methodologies; increase awareness and participation of university faculty and industrial educators/partners in K-12 engineering initiatives; promote engineering as the context to integrate science and mathematics with all subjects in the K-12 setting; encourage the participation of K-12 educators in the creation and delivery of K-12 engineering content; and, synthesize and broadly disseminate lessons learned.

K12 Division Membership



Contact

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