

#REES 2014 RAILWAY ENGINEERING EDUCATION SYMPOSIUM

June 23-25, 2014
Overland Park, KS

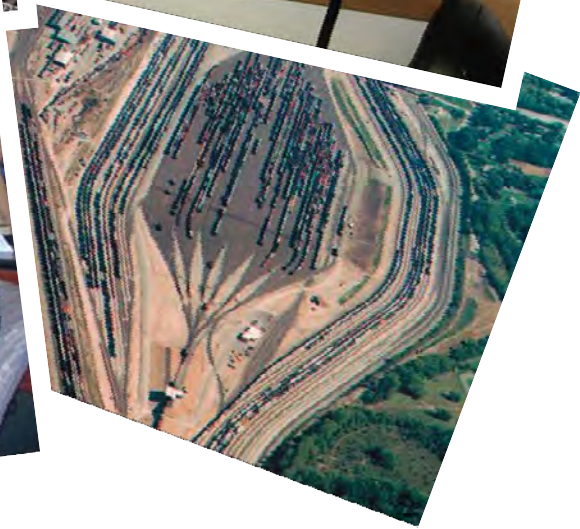
Sponsored by the American Railway Engineering and Maintenance-of-Way Association (AREMA)

Railroad Engineering Education Symposium (REES) 2014

AREMA grant opportunity for University Professors to learn more about the rail industry!

Spend three days of your time and walk away with materials that can be integrated into your courses immediately!

See page two for more details



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The Federal Railroad Administration has identified two key challenges in the railroad industry:

- 1) There is a rapidly approaching workforce crisis
- 2) There are only a handful of university programs addressing this problem.

(<http://www.fra.dot.gov/eLib/Details/L01294>)

Be a part of the solution! **Attend this three day symposium** and learn about current research and development in railroad engineering education programs! **Grants available for new professor attendance through AREMA.** Walk away with materials to start an introductory railroad engineering course at your university!

The American Railway Engineering and Maintenance-of-Way Association (AREMA) is leading the organization of the third biennial Railway Engineering Education Symposium (REES) in Kansas City, June 23-25. The following topics will be covered:

Monday Topics (new professors only)

REES 1: Vision for Importance of Providing Railway Engineering Education; Introduction to the Railway Industry; Introduction to Railway Infrastructure; Train Energy, Power, and Traffic Control; Railway Intermodal Transportation; Railway Alignment Design and Geometry; Transit, Commuter and Intercity Passenger Rail Transportation

Tuesday Topics (new and returning professors)

REES 2: - Advanced Railway Engineering:

Dynamic Models of Railway Systems; Train Performance; Advanced Train Operations (including PTC); Introduction to Railroad Capacity; High Speed Rail Design; Shared Corridor Challenges

REES 3: - Course/Program Development

Railway Course Program Development and Coordination; Raising Student Interest and Recruiting Through Student Chapters; Railway Engineering Design Case Studies; Introduction to Rail Software 1; Introduction to Rail Software 2; Current Research Programs and Needs

Wednesday: Field trips to the BNSF Railway Argentine Freight Yard or Kansas City Intermodal Facility

GRANT STIPENDS AVAILABLE FOR NEW PROFESSORS!

In addition to meals and materials, AREMA is offering up to \$750 in travel cost reimbursement for 20-25 professors from undergraduate or graduate engineering universities that haven't participated in past REES events. Participants from previous REES events are encouraged to attend. There is no fee for the symposium, but returning professors will be responsible for their own travel and lodging expenses.

Contacts:

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