The Hi-Lo Bi-Track System is an innovative technology that provides appropriate superelevations on curves to suit both high-speed passenger trains and low-speed freight trains. Adoption of the Hi-Lo Bi-Track System provides the following benefits:

- Creates high-speed lines for passenger trains over existing freight train rights-of-way without compromising the performance of either train technology.
- Improves typical passenger train trip times as a result of less need for speed reductions at curves.
- Saves energy due to avoidance of or reduced braking for curves and subsequent acceleration back to line speed.
- Provides better performance than "tilting trains" in reducing train trip times.
- Avoids the high vertical and lateral forces on curves resulting from the operation of “tilting trains”.
- Suitable for high-speed freight trains in addition to high-speed passenger trains.

Dr. Scales has a B.Sc. in Mechanical Engineering from Kings College, University of London, and a Ph.D. from the University of Surrey in Mechanical Engineering. He is a licensed Professional Engineer in Virginia. Dr. Scales is a Fellow of the Institution of Mechanical Engineers and a Member of the American Society of Mechanical Engineers. He has presented many Papers to both organizations on a variety of rail-related subjects.
IEEE/ASME National Capital Land Transportation Committee
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THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
AND
THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS
National Capital Land Transportation Committee
Invite You To Our Monthly Luncheon Meeting
Thursday, April 10, 2008, 11:30 am
Speaker: BRIAN T. SCALES, PhD
    Consultant
    Pittsburgh, PA
Topic: The Hi-Lo Bi-Track System

FUTURE MEETINGS:
NOTE: All Dates are THURSDAY!
April 10—Brian Scales—Bi-Lo Track Concept
May 15—TBD
June 5—TBD
See more about the Land Transportation Committee at our website:
http://www.ieee.org/dc-ltc

IEEE/ASME National Capital Land Transportation Committee
SPECIAL NOTES:
- Membership in the ASME or IEEE is not required. There are no dues.
- Guests are always welcome; bring an associate!
- Tell us of other associates to be placed on the meeting announcement list! Give us their names and e-mail addresses.
- We are always looking for programmatic development; your suggestions please!

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