

TR NEWS

Tapping New Energy Sources

Plus

- Accelerating Technology Transfer
- Making the Critical Issues Lists
- Archiving the Profession's History
- Revitalizing Naval Engineering

**82nd Annual
Meeting
Highlights**

TR NEWS

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Cover: Haul truck empties a load of oil sands mined from the surface of the Athabasca Oil Sands Deposit in Aurora, Alberta, Canada (photo courtesy of Syncrude Canada Ltd.).

3 Turning the Spotlights on Transportation Research: TRB's 2003 Annual Meeting

With more than 500 sessions, including thematic spotlights on safety, congestion, security, and the reauthorization of legislation for transportation programs, the TRB 82nd Annual Meeting attracted record attendance, affording opportunities for information exchange and networking across modes and disciplines, honoring outstanding researchers, and reviewing transportation policy issues and strategies.

16 Driving to New Sources of Transportation Energy: Gaining Flexibility, Ensuring Supply, and Reducing Emissions

Jonathan Rubin

A July 2002 TRB conference examined the topics of air quality, global warming, alternative fuels and vehicles, and transportation energy policy. One of the featured speakers recounts what the experts had to say about hydrogen fuel cells, compressed natural gas, biodiesel, and ethanol; the continuing appeal of petroleum; setting stricter air quality standards; and more.

24 Technologies for Champions: Group Identifies High-Payoff Breakthroughs and Accelerates Deployment

Ellen Schweppe

The Technology Implementation Group of the American Association of State Highway and Transportation Officials identifies high-payoff, ready-to-use technologies that meet widespread transportation system needs and develops plans to accelerate deployment with states as the champions. Here is a progress report on the first six technologies chosen.

30 Prescriptions for Research: Reviewing the History of TRB's Critical Issues in Transportation

Alan E. Pisarski

A veteran policy analyst reviews the 28-year history of the TRB Executive Committee's Critical Issues in Transportation statements, traces the emergence and the evolution of issues, identifies overarching themes, and endorses TRB's "implication that research can resolve portions of any issue."

36 Preserving the Profession's Memory: An Archiving Primer

Rolf Schmitt

Internal reports, correspondence, personal photographs, and other unpublished material are the invaluable but all-too-perishable resources of transportation history. Here are practical tips on planning an archive, preserving key documents and artifacts in the electronic age, finding the appropriate repository, and assuring safe storage and access.

42 TRB Special Report Naval Engineering: Alternative Approaches for Organizing Cooperative Research

Susan Garbini and Peter Johnson

A TRB study committee, appointed by the National Research Council, has advised the U.S. Navy Office of Naval Research on alternative approaches for organizing and managing cooperative research programs in naval engineering, to promote innovation, incorporate total systems concepts, and involve all stakeholders in research decision making.

features articles on innovative and timely research and development activities in all modes of transportation. Brief news items of interest to the transportation community are also included, along with profiles of transportation professionals, meeting announcements, summaries of new publications, and news of Transportation Research Board activities.

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Texas DOT habitat project protects bats, new President and CEO leads Eno Transportation Foundation, Perpetual Pavement Awards, Great Britain promotes rail safety research, and more.

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CORRECTION: The caption to the photographs illustrating the "mix of fixes" approach to pavement preservation (January–February 2003, p. 32) mixed up the identifications. Here is the fix: Photo *a*, resealing joints; Photo *b*, dowel-bar retrofit; and Photo *c*, diamond grinding. Thanks to Gerardo Clemena of the Virginia Department of Transportation for pointing out the mix-up.

COMING NEXT ISSUE

Transportation and air quality is the focus of the feature articles slated for the July–August *TR News*, covering the potential impacts of climate change, of new air quality standards, of multimodal activity, of air toxics, and more.



The Clean Air Act Amendments of 1990 have had a salutary effect on many cities, but research is needed to identify cost-effective strategies for reducing transportation-related emissions.