Director Joan Ogden delivers new STEPS book to Daimler’s Andreas Truckenbrodt.

Sustainable Transportation Energy Pathways (NextSTEPS) program’s mission:
- Generate new insights about the transitions to a sustainable transportation energy future
- Disseminate that knowledge to decision-makers in the private sector and government agencies so that they can make informed technology, investment and policy choices.

NextSTEPS builds upon the earlier, successful STEPS program (2007-2010) at ITS-Davis. STEPS concluded that there is no one silver bullet. Rather, achieving aggressive targets for sustainable transportation requires a portfolio approach that combines new vehicle and fuel technologies, behavioral change, and policy, with appropriate regional variations.

NextSTEPS will answer key questions:
- How will electric vehicles roll out to consumers?
- What will the development of biofuels look like?
- When does hydrogen become viable, and what does a hydrogen transition look like?
- What is the role of natural gas in transportation?
- What is the role and impact of carbon capture and sequestration in transportation?
- How will the transitions vary by region?
- What mix of fuels and technologies works for each region of the U.S. and world?
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Visit our new home:
A green ‘living lab’

In summer 2012, we move to new offices in the nation’s largest zero net energy (ZNE) community, designed to generate as much energy as it consumes.

When done in 2014, the 130-acre UC Davis West Village will be home to 3,000 students, faculty and staff in 662 apartments and 343 single-family houses.

ITS-Davis will use West Village as a “living laboratory,” testing new sustainability strategies — such as EV charging in high-efficiency homes using renewable energy, car-sharing, and mode shifting from cars to transit and bike.

World’s top university research center on sustainable transportation

Focus on vehicles, fuels, mobility & land use

60 researchers
130 graduate students
$12 million budget

Key roles:
- **Taking Charge** guide for California’s PEV rollout
- California EV infrastructure design
- 54 mpg CAFE standards
- Low carbon fuel standards
- Regional land-use models for California SB 375 implementation

Funding:
- All California and US environmental and transport agencies
- 40 auto and energy companies
- 10 foundations

15 miles from Sacramento, we advise California’s agency and legislative leaders on sustainable transportation.

ITS-Davis Director and Professor
Dan Sperling

• Leading international expert on low-carbon transportation
• Author: *Two Billion Cars*
• Key author of climate-change report by United Nations panel that received the 2007 Nobel Peace Prize
• Given 2010 Heinz Award for extraordinary achievements in transportation research and policy
• Leads many initiatives that promote science informing public policy
• Calif. Air Resources Board member