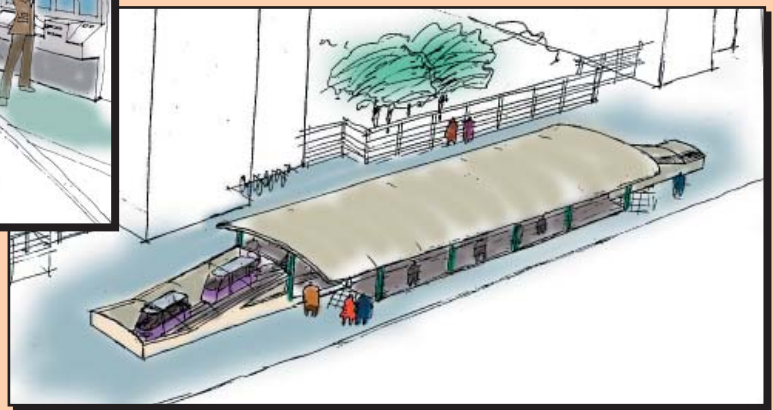


NEW TRANSPORT VISIONS IN ORLANDO

April 30, 2005
Florida



Organized by the

Advanced Transit Association
Rethinking Transportation

Come join those who are laying the groundwork for high performance Automated People Movers on April 30th in sunny Orlando! The Advanced Transit Association (ATRA) has organized a lively day of presentations and discussions centered on Personal Rapid Transit (PRT) and other paradigm-breaking mobility technologies. Where does PRT stand as a commercial technology? How can metropolitan officials be made aware of the attractive new mobility options that are available? What strategies do we need to follow? Should PRT installations be demonstrated in senior and resort communities?

Seating is limited so advance registration is recommended. The registration fee is \$75. ATRA members qualify for a lower rate of \$55. Lunch will be served. Additional information will be posted to www.advancedtransit.org as it becomes available. Call or write Larry Fabian for more details: (617)825-2318, email: lfabian21@earthlink.net.

AGENDA

9:00 AM - 10:30 AM – Opening Session – Status of Current Initiatives

Moderated by: *Larry Fabian*

Welcome and Greetings, *Bob Dunning*, ATRA President

Taxi 2000's Promising Future, *Jeral Poskey*

ULtra Interest Group in Europe, *Richard Teychenne*

10:30 AM - 10:45 AM – Break

10:45 AM - 12:15 PM – Breaking Old Transit Paradigms:

Analysis and Research in Advanced Transit

The Case for PRT – Based on Analysis of Existing Transportation Systems,
Not Vendor Information, *Peter Muller*

Applying Computer Networking Concepts to Moving People, *Bill James*

Crossover Technology: Smart Elevators, ATRA, and

Parking, *Shannon McDonald*

PRT Standards, *William Rourke*

12:15 PM - 1:30 PM – Lunch

1:30 PM - 3:00 PM – New System Concepts

An Airport PRT Application, *William Rourke*

Dual-Mode PRT, Personal Transport Systems, *Steve Garfink*

Evacuated Tube Transport, Can it Really Happen?, *Daryl Oster*

3:30 PM - 5:00 PM – Closing Session – Societal Mobility Trends and ATRA

Automated Transit Research Objectives at Kansas State University,

Stan Young

Needs for a Transport Revolution, *Malcolm Buchanan*

Round Table Discussion on ATRA Activities

GUEST SPEAKER INFORMATION

Malcolm Buchanan

Needs for a Transport Revolution

Far-sighted researchers appear to foresee that in urban and suburban areas public transport does not need to be very fast in order to out-perform the car. Since average suburban traffic speeds are commonly only 20-30kph, what is needed is a dense public transport network, with conveniently located stops, no waiting for the vehicle to arrive, and no stopping en route for traffic lights, congestion or to pick up or set down other passengers. The automated 4-seat vehicles on ULTra networks wait for passengers at the many stops, rather like taxis, and then join the through track and proceed non stop to the destination stop at 40kph. This gives journey (door to door) speeds twice as fast as a bus or tram and just about as fast as a car on uncongested streets. Early evaluations clearly suggest that ULTra will largely pay for both its operating and capital costs out of the farebox.

Steve Garfink

Dual-Mode PRT, Personal Transport Systems

In an era of severely limited public funding, the prospects of obtaining financing for novel PRT projects are increasingly remote. Is there a case to be made for attracting private equity investments to exclusively fund innovative transportation? We will examine the economic characteristics that would support private funding and consider one transportation system designed to meet these criteria.

William (Bill) James

Applying Computer Networking Concepts to Moving People

In communications networks there are many layers: cell, satellite, cable, telephone, microwave, Wi-Fi, BlueTooth, CB, etc. The rich mixture allows communications to be economically tailored to spot needs. The same concepts can be applied to create a rich mixture in the transportation matrix. Based on riders per day, the elevator is the most successful form of public transportation. Computer network techniques provide inexpensive ways to implement "horizontal elevators"; that is, small networks that solve specific needs.

Shannon McDonald

Crossover Technology: Smart Elevators, ATRA, and Parking

A brief discussion of how new technology is beginning to blur the lines between elevators and the APM area potentially creating new forms of PRT's. There have been recent developments of smart elevators that have been placed into operation that I will discuss along with the potential of these systems as future versions of PRT's. These systems are often used to link parking garages to activity centers, so these garages can be a testing ground for developing connections between old and new advanced transit solutions.

Peter Muller

The Case for PRT – Based on Analysis of Existing Transportation Systems, Not Vendor Information

Using information from existing systems such as the Morgantown PRT and Park Shuttle, the claims of PRT are examined in light of available (though minimal) operational data.

Daryl Oster

Evacuated Tube Transport, Can it Really Happen?

Evacuated Tube Transport (ETT) is a new kind of transportation system that requires less than two percent of the energy of cars or planes; it is also much safer and faster. Any individual or company may profit by participating in the plan to implement ETT.

Jeral Poskey

Taxi 2000's Promising Future

Jeral will comment (as much as possible) on the many promising opportunities for Taxi 2000 in 2005 including the recent tenders at Heathrow and Dubai as well as other studies being conducted in the US.

GUEST SPEAKER INFORMATION continued

William Rourke

An Airport PRT Application

Drawing from his experience on Denver's airport development committee, Mr. Rourke will present a concept of using PRT to enable an entirely new paradigm in airport organization and structure.

William Rourke

PRT Standards

How do we obtain standards that are inclusive of all transit and NOT exclusive of PRT? Does ATRA need to write PRT Standards for the ASCE?

Richard Teychenne

ULTra Interest Group in Europe

The ULTra interest group in Europe is taking on new life. This talk reports on the activities of the group and appropriate updates of the ULTra initiative.

Stan Young

Automated Transit Research Objectives at Kansas State University

KSU recently completed a mobility impact study and an architectural integration study of PRT on a college campus. In 2004, FHWA and KDOT sponsored a scanning tour of the Morgantown PRT installation. These activities led to additional funding opportunities to investigate several peripheral issues associated with Automated Small Vehicle Transit (ASVT). Phase-two research objectives as well as partnering and collaboration results from phase one will be presented and discussed.

CONFERENCE HOTEL INFORMATION

Travelodge Main Gate East
5711 W. Irlo Bronson Memorial Hwy.
Kissimmee, Fl 34746

\$52 rate – Conference Rate

1-800-327-1128

<http://www.orlandotravelodgehotel.com/>

REGISTRATION

Seating is limited so advanced registration is requested. Registration fee is \$75.

ATRA member qualify for a lower rate of \$55. (*Become an ATRA member!!!*)

Lunch is included.

Mail payment to ATRA at PO Box 249, Boston MA 02122

... or pay by credit card at our website, www.advancedtransit.org

For more information, visit www.advancedtransit.org. Or call (617) 825-2318
or email lfabian21@earthlink.net.