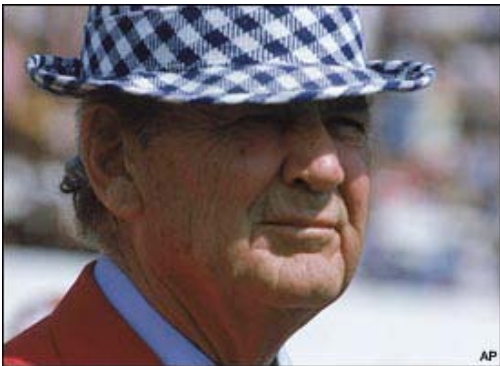


UAB ? – What's That?

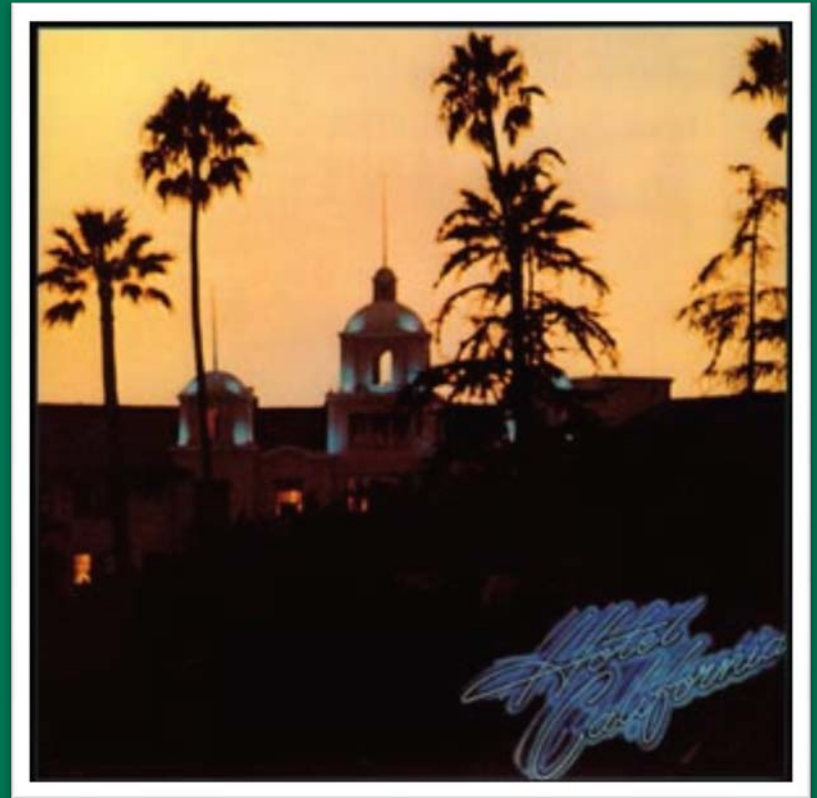


A New Kid In Town

The Eagles – Hotel California – 1976

*There's talk on the street;
it sounds so familiar
Great expectations,
everybody's watching
you...*

*Johnny come lately, the
new kid in town
Everybody loves you, so
don't let them down ...*



Who We Are

- **1st and only UTC based in a Medical School** (to the best of our knowledge)
- **UAB Injury Control Research Center**
- **Southern Consortium for Injury Biomechanics**
- **UAB Center for Injury Sciences**
 - UAB Trauma, Burns & Surgical Critical Care Center
- **UAB School of Engineering**
 - Department of Civil, Construction and Environmental Engineering
 - Department of Biomedical Engineering



Who We Are *(continued)*

- **UAB School of Engineering** *(continued)* ...
 - Department of Mechanical Engineering
 - Computational Injury Biomechanics
 - Enabling Technology Laboratory
 - Computational Simulations Laboratory
 - Mechanical Systems Analysis, Design & Realization Lab
- **University Transportation Center – Alabama (UTC-A)**
 - University of Alabama at Huntsville



Mission

To address and resolve:

high priority transportation
safety, trauma care and injury
control research questions
and problems,

especially those associated
with all forms of human
conveyance: vehicular, air,
water and rail.



Goal

To become the 21st Century's "***Gold Standard***" against which all other transportation safety, trauma care and injury control research initiatives, nationally and internationally, will be measured



Unique Partnerships ... other than UAB's



Some last ...



Some don't

These did and are flourishing

- Alabama Department of Public Health – Division of EMS
- Birmingham Regional Emergency Medical Services System
- CARE Research & Development Laboratory (UA) [Critical Analysis Reporting Environment]
- City College of New York
- Jefferson County Youth Transportation Program (JCYTP)



... and so are these

- UAB Master of Public Administration Program
- UAB School of Public Health
- The University of Thessaly, Greece
- The University of South Alabama
- University of Virginia – Schools of Engineering and Medicine
- The VISTA Transportation Group

We're Studying

- Congestion & Emergency Medical Services
- Traffic Management & Emergency Preparedness
- MV Crash Outcomes in Rural, Medically Underserved Areas of a Primarily Rural Southern State
- Impact of Cell Phone Distractions on Teen Driving

Major Project 1

Emergency Medical Services & Congestion

- *Investigating effects of urban sprawl on pre-hospital emergency care response time*
- *Evaluating EMS provider perspectives & experiences with congestion*
- *Exploring role of “in-vehicle” technology for improving EMS response time, injury severity assessment and notification*

Major Project 2

Development of a Dynamic Traffic Assignment and Simulation Model for Incident and Emergency Management Applications in the Birmingham Region

- *Increasing understanding of how traffic will be impacted in a large urban area experiencing a disaster*
- *Assuring traffic is managed in a way that doesn't impede emergency operations*
- *Assuring threatened populations can be safely and efficiently evacuated*
- *Assuring First Responders are able to move quickly and safely*

The Secretary's Stated Priorities



- *Safety*
- Livability
- Sustainability
- The Economy
- Infrastructure

Importance of Our UTC Award

- Encourages “outside the box” thinking
- Has enabled us to recognize and point out transportation-related aspects and impact of other research, education and training opportunities
- Nurtures a multi-disciplinary research, education and training environment
- **Is helping institutionalize broad-based transportation research at UAB**



Risks We've Taken



- Large, multi-year projects
- Significant “unintended consequences” IF WE “get it wrong...”
- Proving there’s a legitimate role for medical and public health personnel in transportation-related research, education and training

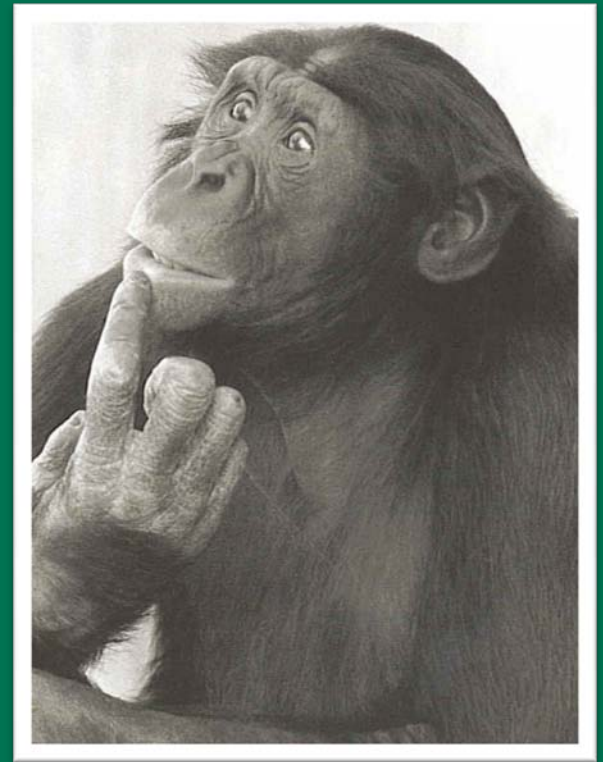
We'll Know We've Succeeded ...

If we are able to demonstrate a **statistically significant reduction** in transportation-related deaths, injuries and disabilities



UAB's Most Important Best Practice "Tip"

We are ever mindful
that we are pursuing our
UTC activities using
taxpayer money and
that carries with it an
enormous responsibility



More Best Practice “Tips”

- UAB UTC leadership works extensively with research teams from start to finish – including progress monitoring
- Education and technology transfer are integrated into each research project as well as into the administrative core

And Still More Best Practice “Tips”

- UAB UTC leadership facilitates relationships among investigators from diverse fields and nurtures those relationships until they can stand on their own
- UAB UTC leadership engages partners based not just on credentials, but also on personality, experience, and shared goals





Jay



Andrea



Kathy



Jeff



(205) 934 -7845

www.uab.edu/utc



for the privilege of being part of the UTC program
and the chance to tell you a bit about UAB's UTC