

# Measuring and modeling for APT Introduction and objectives

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APT:  
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## Program

- 16:00 to 16:10 Introduction and objectives
- 16:10 to 17:00 Topic 1 – Measuring
- 17:00 to 17:30 Discussion 1 in groups
- 17:30 to 18:15 Topics 2 and 3 – Modeling & Integration
- 18:15 to 18:45 Discussion 2 & 3 in groups
- 18:45 to 19:00 Summary and closure

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## Topic 1 – Measuring

- Background
- Why
- Principles
- Procedures
- Types of instruments
- What to measure
- Storage
- APT specific issues
  
- Wynand Steyn - CSIR

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## Topic 2 – Modeling and

- Mechanistic Approach for Modeling Asphalt Pavements
- Material Properties in a Mechanistic Model
- Experimental Methods for Determining Material Properties
- Role of Accelerated Pavement Testing
- Future Directions
  
- E Masad - Texas A&M University
- I.L. Al-Qadi – University of Illinois at Urbana-Champaign

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## Topic 2 & 3 – Modeling & Integration

- Drawbacks from current flexible pavement analysis
- Proper instrumentation
- Modeling
- Field Validation
  
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## General

- Link to TRB workshop?
- Discussion questions
- Output from workshop
- Process

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