



**Monday, 7 October 2002**  
**HVS Workshop Draft Programme: Intundla Game Lodge**  
**Overviews**

- 07h45                      Registration  
Refreshments to be served
- 08h00                      Welcome & Introduction (Phil Hendricks)
- 08h15                      Background to Workshop (Chris Rust, Nick Coetzee, Joe Mahoney)
- Purpose (Chris Rust)
  - Background to HVS development (Chris Rust)
  - Background information concerning TRB A2B09, COST 347, Second International APT Conference (Minnesota), and results from workshop at 9<sup>th</sup> International (Copenhagen) (Nick Coetzee)
  - Format of the overviews from the organizations represented (Joe Mahoney)
    1. Top five significant achievements (the limit will aid focus) and national and international implications (if applicable).
    2. How are results disseminated and implemented and measures of efficacy?
    3. Significant problems/issues.
    4. Program costs (annual or some other common measure).
    5. Suggested collaboration activities.
  - Final product(s) of the workshop (Joe Mahoney)
- 09h00                      Overview—California Pavement Research Center (Carl Monismith)
- 10h00                      Tea Break
- 10h30                      Overview—VTT/VTI (Leif Wiman, Niclas Odermatt)
- 11h30                      Overview—CRREL (Vince Janoo)
- 12h30                      Lunch
- 13h30                      Overview -- WES (Al Bush, Reed Freeman)
- 14h30                      Overview --Florida DOT (Nick Coetzee)
- 15h30                      Break
- 16h00                      Overview --Gauteng DOT/CSIR (Elzbieta Sadzik, Morris de Beer)
- 17h00                      Cocktail

Contact:  
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**Working Sessions**

Each session will:

- Have a Session Chair and Recorder (CSIR personnel)
- “Set the Stage” presentations and discussion. One person will make the presentation, but any number can help to define and prepare it.
  - Presentation will be used to pose and briefly address predetermined questions. Purpose is to start and encourage discussion—no more, no less. At least two “set the stage” approaches could be used. One, prepare a list of five or so topics and let the audience choose the ones to be discussed or let them propose new ones. Two, list a specific topic and let the audience discuss then move on the next topic.
  - Session chair will moderate participant response with the assistance of the “Set the Stage” speaker.

- 07h45 Refreshments to be served
- 08h00 Session A: HVS Tests vs. Field Performance (Fenella Long (Chair), Niclas Odermatt, Elzbieta Sadzik)  
Possible questions include:
- Observed differences or similarities between HVS and in-service results? Specifics are required as to type of distress, etc.
  - If differences have been observed, how are they dealt with—shift factors, etc?
  - Do the observed differences change with increasing HVS wheel loads?
  - Has HVS data shown top down (or surface initiated) cracking?
  - How can HVS programs complement activities such as LTPP?
  - How serious is the lack of environmental effects on HVS results?  
Presumably this question largely refers to aging (as opposed to temperature and moisture effects).
- 09h45 Tea Break
- 10h45 Session B: Analytical/Performance Prediction Issues  
(Hechter Theyse (Chair), Carl Monismith, Reed Freeman)  
Possible questions include
- How do measured and calculated stress, strain, and/or deflections compare?
  - Where can one use LEA or must one move to FEM analyses?
  - Performance prediction successes? Assessment of predictions compared to actual field results (aka Australian work)?
  - How do laboratory tests complement HVS results (specific examples are needed)?
  - Current performance prediction needs?
  - Innovative, new directions?
- 12h00 Lunch
- 13h00 Session C: Equipment/Instrumentation/Data Collection Issues  
(Louw du Plessis (Chair), Per Ullidtz and Vince Janoo)  
Possible questions include
- Discussion of bi-directional vs. uni-directional HVS operations.
  - HVS productivity
  - Reliability of instrumentation?
  - Accuracy and repeatability of measurements?
  - What constitutes a minimum HVS instrumentation program?
  - Sharing of data or significant findings?

- 14h45            Tea Break
- 15h15            Session D: Open Discussion including Collaboration Opportunities  
(Joe Mahoney, Leif Wiman)  
Some items to consider:
- LTPP/HVS collaboration possibilities (if not discussed earlier)
  - Next step(s) to aid collaboration process?
- 16h45            Closing Remarks (Phil Hendricks)

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