

# SAT Eastern Region

Road Pavement Forum

Durban

9 & 10 May 2017

Krishna Naidoo

# SAT's why

- Promoting the knowledge of asphalt technology and ensuring that this technology is accessible to all members;
- Stimulating discussion, debate and interaction between members on all questions affecting the asphalt industry;
- Supporting and protecting the status of SAT members.



# 514 + members and sponsors

- How important is asphalt in our region?
- 1 280 000 tons p.a \* R1400 / ton laid
- R 1 792 000 000 (R9m / day)
- 5% is bitumen 64 000 tons avg. R5000/ton
- R 320 000 000





# Continued Professional Development in Asphalt

- Best value for money +- R400 / day.
- Best presenter line up?
- Setting the trend for discussion?
- At the cutting edge with technology?
- Launching partner for new industry knowledge – SABITA, COTO, TRH/TMH



# Presenter line up: Aug 2014

- ✚ Road Rehabilitation Project – **Nqobile** Khuzwayo (eThekweni Municipality)
- ✚ Road Rehabilitation Project – **Shanelle** Naidu (eThekweni Municipality)
- ✚ South African Pavement Engineering Manual – Dr **Fenella** Long (Rubicon Solutions)
- ✚ Current & on the horizon SANRAL road projects – **Logashri** Sewnarain Pr Eng (SANRAL)
- ✚ Roads of the future – **Stephanie** Britz (COLAS)
- ✚ Pavement Optimisation – **Samantha** Manival (Kaytech)
- ✚ Pavement moisture sensitivity – Dr **Elsabe** van Aswegen (Jeffares & Green)



# My flexible pavement series

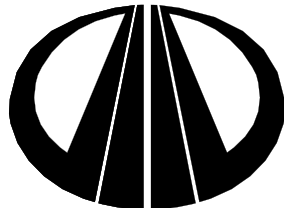
- Giving young pavement engineers a platform
- Promoting diversity in our industry
- Setting the bar for excellence
- Positive peer pressure for development
- Creating sound technical foundation
- Building competent industry capacity





# National round robins

- Revised TRH 21 – Reclaimed Asphalt
- Trouble shooting – asphalt on granular pavements
- Rubber bitumen
  
- Ensure consistent spread of knowledge and understanding.
- John Onraet – past president



# Upcoming topics: ER

- Trouble shooting.....
- Routine road maintenance – describe the life of a pothole.
  - Building Ferrari’s without service plan & personnel?
  - Roads disappear once they have past their design life?
- New asphalt mix design manual – specification and use.
- EME – can you design a pavement with EME?



# Routine road maintenance

- How often are Municipalities getting around to rehab a road – once in 40 years?
- Hence from year 12 onwards, it's routine maintenance.
- For 38 + years ???
- Patching rates presently between R200 & R700 per sq.
- Count the man-hours involved in this specialisation





# Upcoming topics: CR

- Sampling & sample prep – bitumen, asphalt, aggregate
- Intro to bitumen & asphalt perf testing & equipment.
- TRH 21 launch
- Effects of changing from TMH1 to SANS test methods



# Upcoming topics: PE/E London

- RPF Feedback
- Asphalt Plant Study Tour
- Site Quality Debate
- Laboratory Study Tour
- National round-robins



# Upcoming topics: Cape

- Bitumen converter study tour
- New crumb rubber technology
- Nanotechnology







# Updating our platforms for interaction

- Permanent slot at RPF
- Reviewing our website
- Twitter
- Facebook
- Instagram



# SAT National Conference

- Space between RPF & CAPSA (international)
- No other national conference dedicated to asphalt
- Peer reviewed papers
- Council approved formation of working group
- Interested?



# Engagement with academia

- Facilitate special sessions for & at universities.
- Ensuring that universities are using latest guideline documentation.
- Joining SABITA's briquette competition.
- Contributed to asphalt laboratory equipment purchase at Stellenbosch University.





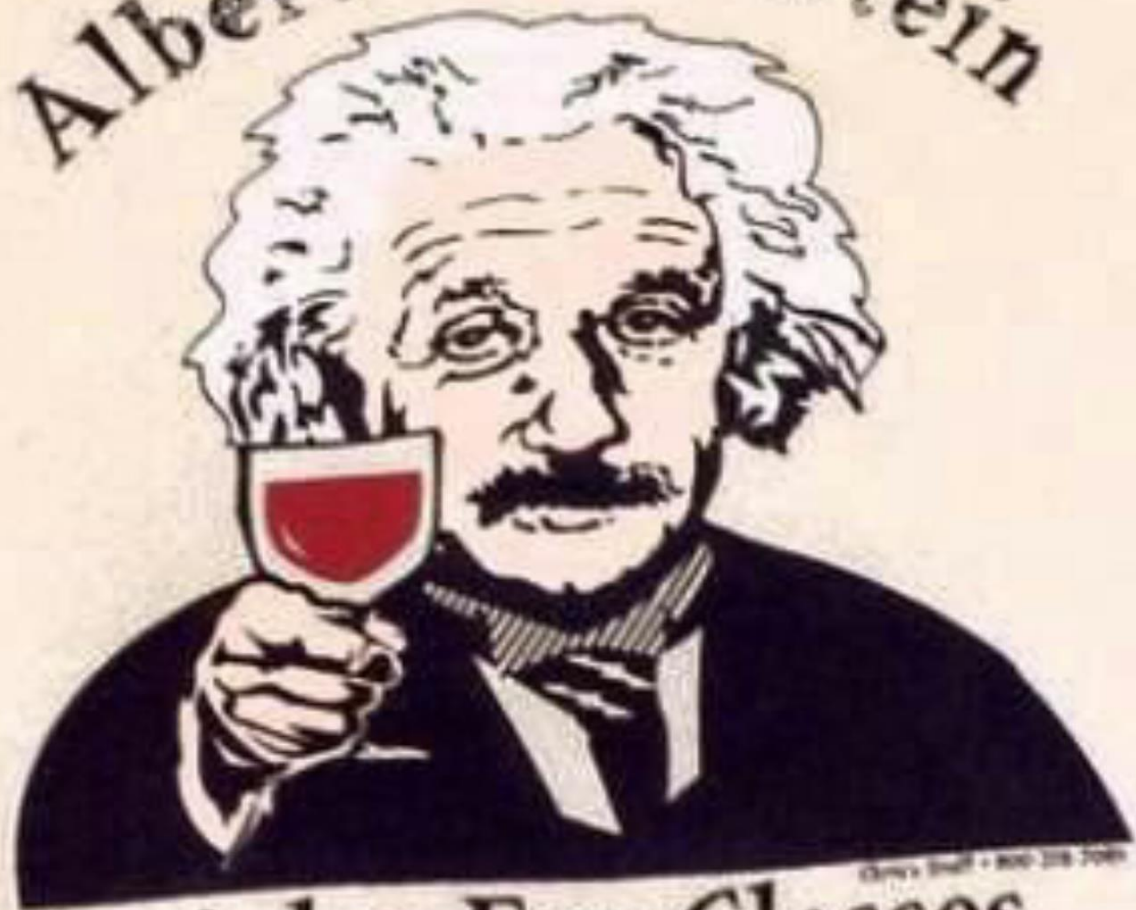
# SAT Bursary

- R 50 000 annually.
- Come to our AGM to hear more.





Albert Wine-Stein



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Drink a Few Glasses  
and become a Genius...