50th Birthday of Bituminous materials within RILEM

Hervé Di Benedetto
Outline

• RILEM & Cluster F “bituminous materials and polymers”

• Introduction of Manfred N. Partl
Some information on RILEM

• Aim: promote scientific cooperation and advance scientific knowledge related to construction materials, systems and structures, encourage transfer and application of this knowledge worldwide

• More than 1500 experts are involved in RILEM on a voluntary basis

• Scientific works within Technical Committees (39 TCs)
  → Exchanges, common work, Round Robin tests, State-of-the-art reports, Papers, Recommendations on test methods, international conferences,...
RILEM Organization

RILEM Members

General Council

General Secretariat

Bureau

Educational Activities Committee (EAC)

Technical Activities Committee (TAC)

Development Advisory Committee (DAC)

Editorial Boards
- Materials & Structures
- Rilem tech. letters

8 Regions

Region A

Countries

Cluster A
Material Processing and Characterization

TCs 8

Cluster B
Transport and Deterioration Mechanisms

TCs 7

Cluster C
Structural Performance and Design

TCs 7

Cluster D
Service Life & Environ. Impact Assessment

TCs 6

Cluster E
Masonry, timber and cultural heritage

TCs 6

Cluster F
Bituminous Materials and Polymers

TCs 6

Convener
H. Di Benedetto

About 1500 experts in TCs
39 active TCs
CLUSTER F: BITUMINOUS MATERIALS AND POLYMERS
ISAP and RILEM community

• ISAP & RILEM Strength the links among the asphalt and road community and makes it stronger and more visible

  Partnership Agreement

• 2 recent RILEM noticeable recognitions
  ▪ In 2017 Manfred Partl became « Honorary Members »
  ▪ In 2018 Fernando Moreno received the prestigious Robert l’Hermite award
Cluster F: Bituminous materials and polymers

6 active Technical Committees (TCs)

- **Chemo-Mechanical Characterization of Bituminous Materials** (252-CMB; started 2013) : N. Kringos & L. Poulikakos
- **Asphalt Pavement Recycling** (264-RAP; started 2015) : G. Tebaldi & E. Dave
- **Phase and Interphase behaviour of bituminous Materials** (272-PIM; started 2016) : E. Chailleux & C. Raab
- **Crack-Healing of Asphalt Pavement Materials** (278-CHA) (started 2016; started 2016) : H. Baaj & O. Baglieri
- **Valorisation of Waste and Secondary Materials for Road** (279-WMR; started 2017) : L. Poulikakos & B. Hofko
- **Multiphase characterisation of cold bitumen emulsion materials** (280-CBE; started 2017) : A. Graziani & A. Carter
Cluster F: Bituminous materials and polymers

Each year annual meeting with all TCs

• This year 19th and 20th September in Braunschweig (Germany)

• Next year in Waterloo (Canada)

➔ You are welcome to attend
Next RILEM Conferences

TC : Chemo-Mechanical Characterization of Bituminous Materials

Braunschweig 2018

3 TCs
- Asphalt Pavement Recycling
- Phase and Interphase behaviour of BM
- Crack-Healing of Asphalt Pavement Materials

Lyon 2020
Join us within Rilem TCs
Prof. Dr. Manfred N. Partl

- Civil engineer and Doctor (1983) from ETH Zurich
- Director of the Road Engineering/Sealing Components Laboratory at Empa and affiliated with KTH, Carleton University and ETH
- Internationally well known and respected expert “on mechanical and physical properties of bituminous materials and systems” with respect to innovative sustainable development and multi-functionality of road pavements.
- He is former president of ISAP, Chair of ISAP TC APE on Asphalt Pavements and Environment.
- He has served Rilem for many years as TC chair and has been awarded Honorary Member
- He received recognition from AAPT and is honorary member of SIIV
- He is associate editor of the Int. J. Road Materials & Pavement Design RMPD and the Journal Materials and Structures, ........
Prof. Dr. Manfred N. Partl

One passion
Manfred the stage is yours

Rilem and its 50 years of impact on Asphalt Science and Technology