



RILEM TC HFC 1st Meeting

**BEFIB-2004,
Varenna, Lake Como, Italy
Sept. 20, 2004**



Agenda

- Welcome and opening of RILEM TC HFC
 - M. Brusin, Secretary General, RILEM
- Presentation of the Members
- Overview of TC HFC
 - V. Li, Chair
- Visions & work plans of Subcommittees
 - H. Stang, F. Wittmann, K. Rokugo, Chairs of the Subcommittees
- Report on the organization of HPFRCC workshop
 - G. Fischer, Secretary
- General discussions



Overview of TC HFC

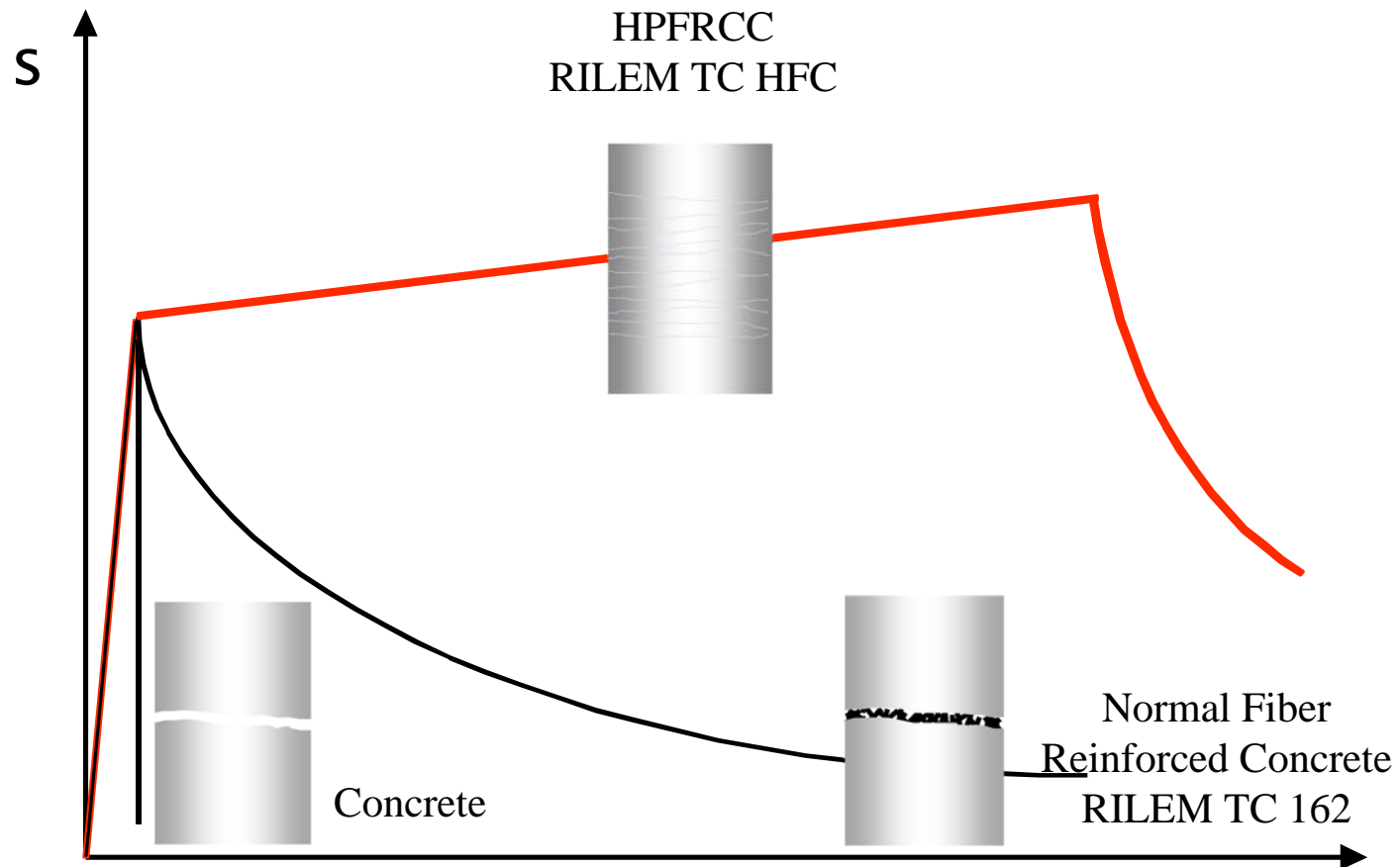
- Title

- TC HFC - **H**igh Performance **F**ibre Reinforced Cementitious **C**omposite
- Committee life: June 1, 2004 — May 31, 2009

- Subject Matter:

- HPFRCC - strain-hardening FRCC under uniaxial tension
- Rapid development last decade, beginning commercialization
- Broad committee objectives: Identify and develop systematic solutions to obstacles in relation to structural design, material property characterization and testing, and field execution.
Focus on HPFRCC structural applications.

HPFRCC





Specific Committee Objectives

- Develop recommendations for structural design code-making bodies
- Develop standards for material property testing and durability characterization
- Promote research, development and application of HPFRCC in advanced infrastructure systems



Working Package/Time Schedule

- State-of-the-art report in conjunction with a preliminary international workshop (year 1)
 - International Workshop on HPFRCC for Structural Applications, May 23-26, 2005, Honolulu, Hawaii
- Round-robin experiments (year 2-3)
- Report in Materials and Structures (year 4)
- International concluding workshop (year 5)



Expected Achievements from the TC

- State-of-the art report on HPFRCC from Year 1 preliminary workshop
- Robust testing and meaningful characterization methods of HPFRCC for mechanical properties and for durability properties
- Report on Recommendations for Implementation of HPFRCC in Structural Design from Year 5 closing workshop
- A “case book” on field applications of HPFRCC



Target Users of Committee Output

- Code making bodies
- Structural engineers
- Materials engineers
- Construction firms
- Testing standard agencies
- Material suppliers
- Research Organizations
- Funding agencies
- Owners



Subcommittees

- Subcommittee on characterization of mechanical properties
Chair: Professor H. Stang, DTU, Denmark
- Subcommittee on durability
Chair: Professor F. Wittmann, Aedificat Institute
Freiburg, Germany
- Subcommittee on structural design and performance
Chair: Professor K. Rokugo, Gifu University, Japan