



Summer School 2005

Schedule

11.07.2005, Monday

- 09:00 – Summer School Inauguration
- 09:15 – 11:00 **Prof. Kuldeep Virdi** (City University of London – UK)
1. *Fire Safety Engineering - introduction*
 2. *Fire protection of steel structures – UK practice*
- 11:15 – 14:00 **Prof. Ryszard Kowalczyk** (University of Beira Interior, Portugal)
- Tall buildings: past, present and future developments.*
- Part 1: Introduction, council on tall buildings and urban developments; Tall buildings definition, tall building: its role and function.*
- Part 2: Development of structural systems for tall buildings*

12.07.2005, Tuesday

- 09:15 – 11:00 **Prof. Hartmut Pasternak** (Brandenburgische Technische Universität Cottbus – Germany)
- Materials and cross-sections, Plane elements without stiffeners (=effective width concept)*
- 11:15 – 14:00 **Prof. Kuldeep Virdi** (City University of London – UK)
3. *Fire loads and principles – Eurocode 1*
 4. *Fire engineering calculation for steel structures – Eurocode 3*
 5. *Worked example for steel*
 6. *Fire engineering calculation for composite structures – Eurocode 4*

13.07.2005, Wednesday

- 09:15 – 12:00 **Prof. Hartmut Pasternak** (Brandenburgische Technische Universität Cottbus – Germany)
- Plane elements with edge or intermediale stiffeners. Resistance of cross sections. Buckling resistance. Joints and connections.*
- 12:00 – 14:00 **Prof. Ryszard Kowalczyk** (University of Beira Interior, Portugal)
- Tall buildings: past, present and future developments.*
- Part 3: Trends for the future, Examples of applications of new Structural Solutions.*

14.07.2005, Thursday

- 09:15 – 11:00 **Prof. Hartmut Pasternak** (Brandenburgische Technische Universität Cottbus – Germany)
- Sheeting design. Example.*
- 11:15 – 14:00 **Prof. Witold Kucharczuk** (Technical University of Częstochowa – Poland)
- Hale o połączeniach nominalnie przegubowych.*

15.07.2005, Friday

- 09:15 – 12:00 **Prof. Hartmut Pasternak** (Brandenburgische Technische Universität Cottbus – Germany)
- Purlin design. Example.*
- 12:15 – 14:00 **Prof. Witold Kucharczuk** (Technical University of Częstochowa – Poland)
- Konstrukcje zespolone stalowo-betonowe w budownictwie wielokondygnacyjnym.*