

**SEMINARS: VISITING PROFESSORS 2017****1. SEMINAR PROF. Jose Sena Cruz (University Minho)****27th February 2017 (Monday)**

- Time: 16:00-20:00h
- Classroom: III-07
- Topic:  
*Composites in Civil Engineering: recent contributions for new structures*

**28th February 2017 (Tuesday)**

- Time: 16:00-20:00h
- Classroom: III-05
- Topic:  
*Design and Construction of FRP Systems for Flexural Strengthening Concrete Structures:*
  - *Externally Bonded Reinforcement and durability effects of the epoxy adhesive*
  - *Near Surface Mounted technique*

**01th March 2017 (Wednesday)**

- Time: 11:00-12:00h
- Classroom: III-04
- Topic:  
*Presentation of research activity of Prof. Jose Sena Cruz*

**2. SEMINAR PROF. Frans Van Der Meer (Delft University of Technology)**01th March 2017 (Wednesday)

- Time: 16:00-18:00h
- Classroom: II-01
- Topic:  
*Fundamentals of buckling (Sections 2.1, 3.1)*
  - *Virtual work*
  - *Principle of minimum total potential energy*
  - *Spring system*
  - *Euler beam*

02th March 2017 (Thursday)

- Time: 16:00-18:00h
- Classroom: II-01
- Topic:  
*Plastic analysis of frames (Section 4.2)*
  - *Theory of plasticity*
  - *Geometrically linear plastic collapse analysis*
  - *Geometrically nonlinear plastic collapse analysis*
  - *Exercise*

03th March 2017 (Friday)

- Time: 15:00-18:00h
- Classroom: AC-035i
- Topic:  
*Computer methods (Section 5)*
  - *Linear buckling analysis*
  - *Plastic frame analysis*
  - *Demonstration of MATLAB code for frame analysis*
  - *Exercise*

06th March 2017 (Monday)

- Time: 12:15-13:00h
- Classroom: II-07
- Topic:  
*Presentation of research activity of Prof. Frans Van Der Meer*