

# Certificate of Attendance

Awarded to

*Shayan Fahimi*

*The Swedish Cement and Concrete  
Research Institute*

For successful completion of the DIANA Course

## **Finite Element Analysis of (Reinforced) Concrete Structures with DIANA**

Delft, The Netherlands  
October 2015

### **Completed Modules:**

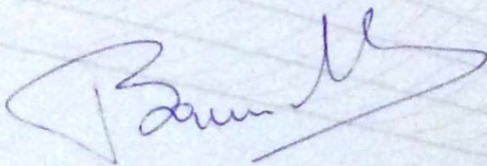
*Day 1: Introduction to DIANA, 3D modelling (geometry, meshing & post-processing features), heat staggered analysis (thermo-stress analysis)*

*Day 2: Nonlinear analysis and analysis procedures, concrete and crack models, modelling of reinforcement*

*Day 3: Stiffness adaptation method and design module, simulation of fiber reinforced concrete (FRC) structures, modelling of creep and shrinkage*

*Day 4: Workshop*

Course Leader:



Jean-Claude Bauruelle PhD.