ABOUT THE COURSE

This course provides a wide range of modules addressing the whole life analysis of bridge structures. The course starts with a brief introduction to the basic life cycle management of bridges. Systems for bridge management will also be discussed. The course will overlook the use of stochastic modelling for performance and the application of maintenance planning methods. Special attention will be given to fatigue analysis for design of new and assessment of existing metallic bridges as well as long-term deterioration modelling for metallic bridges.

COST

The registration fee of the workshop will be £650 + VAT (UK only) which includes course notes and lunches. You should make your own arrangements for accommodation.

PAYMENT

Payments can be made by cheque (made payable to ASRANet Ltd.), cash or bank transfer. Please enquire for details.

CONTACT

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Life Cycle Management of Bridges

ASRANet

PROGRAMME

Day 1

08.30-09.00	Delegate Registration
09.00-10.30	Lecture 1: The basis of life-cycle infrastructure asset management (LIAM)
10.30-11.00	*Break*
11.00-12.30	Lecture 2: Bridge Management Systems
12.30-13.30	Lunch
13.30-15.00	Lecture 3: Stochastic Performance Modelling
15.00 – 15.30	*Break*
15.30-17.00	Lecture 4: Maintenance Planning Models

Day 2

09.00 – 10.30	Lecture 5: A Framework for Life Cycle Analysis of Bridges
10.30 – 11.00	*Break*
11.00-12.30	Lecture 6: Long Term Deterioration Modelling - Metallic Bridges
12.30-13.30	Lunch
13.30 - 15.00	Lecture 7: Fatigue Analysis of Metallic Bridges
15.00 - 15.30	*Break*
15:30 - 17:00	Lecture 8: Fracture Mechanics Analysis of Metallic Bridges