

Industry Sector	RTD Thematic Area	Date	Deliverable Nr
	Education & Dissemination	11th Sept 2002	

## The Education & Dissemination Seminar at Trieste

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### Summary

This presentation briefly outlines the structure of this seminar.



## The Education and Training Requirements for finite element analysts

The FENET proposal identified that a barrier to the uptake and effective use of finite element technology was 'Education and Training of key practitioners to the appropriate level'. This was also identified by the FENET members in an email survey of issues to be tackled by the Education & Dissemination Group, with suggested topics which included:

- 'Development of global FEA standards for FEA groups working on similar topics in a global company. How is training organised, what materials are needed?'
- 'How can engineers be taught a good understanding of what results should be (i.e. how to obtain an engineer's feeling of how a structure behaves)?'

Thus the decision was made for the second set of Education and Dissemination seminars to focus on this issue, *to determine what should be available, what is available and what is needed.*



The two seminars will discuss the educational and training requirements for 2 types of fe analyst;

- 1 *An analyst who routinely uses a CAD package with an embedded FE Package*
- 2 *An analyst who is responsible for business critical analysis*

It is expected that the workshops will:

- help to identify any significant differences between industries, between countries.
- identify any shortcomings in the facilities (resources) available to ensure that analyses are conducted efficiently and safely.
- allow organisations to plan staff development more efficiently.
- provide a considered view from practitioners of what the ideal educational base requirements should be for the users of the technology.

	Book/booklets/ reports	Experience	Education	...
	Linear Static	Linear Dynamic Modal	Linear Dynamic Transient	...
Design Engineer				
Analyst				
Senior Analyst				
Advanced Analyst				
Manager				



## Resources & Requirements

- Education
- Experience
- Books/Booklets/Reports
- Training Courses
- Web-based facilities
- Software resource – CAD embedded or standalone

## NAFEMS' RA Scheme

- Does this need modifying (in a European context)?
- Should we start again?

## Structure

- 2 groups - one discussing each topic.
- Plenary session at end so that we can all hear about the other group and maybe have a short discussion and set agenda for next workshop.

