2nd International Conference from 26. 09. - 27. 09. 2012 in Duisburg

WELDING TRAINER – the Future of Education

The new educational course for welders. Conference on the topic of integration of the welding simulations systems to the practical education of skilled welding personnel.

Call for Papers

The period of establishing the internationally renowned welding simulation systems has entered a new stage while offering a new basis for the discussion of a new field of education. On the occasion of the second international GSI conference WELDING TRAINER the emphasis of the application and integration of the welding simulation systems is laid into practical education. Have the finger with us on the pulse of time and be involved in the development of modern, virtual education systems for the education of welders.

In order to transfer the potential of the **V**irtual **W**elding **T**raining **S**ystems (**VWTS**) to education the GSI Bildungszentren Rhein-Ruhr is currently developing the practice-oriented apprenticeship as a power plant welder together with all German power plant manufacturers. The integration of the **VWTS** to practical education of welders makes the educational welding institutes and their instructors face new challenges and issues. What are the contents and methods of a state-of-the-art curriculum on efficient education? Which steps of education are required concerning ergonomics and occupational health? How can the ever increasing complexity of knowledge about processes, sensitive materials and their fields of application be taught in the ideal case? Moreover, it is important to comply with the requirements of industry in developing the educational modules. The conveyance of a more and more complex knowledge may be made at disposal using the new, computer based methods of education.

The next step

The GSI plans to share its experience on this field during the conference to be held from 26.09. to 27.09.2012 in Duisburg while integrating those who offer education on welding into the stage of development. You may also profit from the reports of experience obtained from practice and the knowledge gained from science and research.

We call you

Cooperate with us on the technology for the future of welding education and hand in your abstract of a lecture by 31.01.2012. We would also be pleased to receive your proposal of a topic together with the conceptual idea of a practical workshop.

Please hand in both, your proposals and ideas in English.

Possible topics and issues, respectively

- The Curriculum for the education of a power plant welder
- What could a new curriculum for the education in welding engineering with the integration of one or several welding trainers look like?
- Education of skilled welding personnel using Virtual Welding Training Systems
- How are the ergonomic aspects integrated to practical education?
- Lectures held by experts and reports on experience of the users
- Reports on projects involving VWTS
- Establishing of a transnational working group "Virtual Welding Training Systems"
- Possibilities of access and sponsorship for trade, industry and educational institutes.
- Advantages and disadvantages of single systems and their possible use for the education of welders
- Virtual Welding Training Systems and e-learning
- Demonstration of the VWTS together with practical phases
- How can the new technology be effectively integrated to existing educational concepts of the education of welders?
- How can a welding trainer enhance learning?
- What must simulation systems offer? Do they have to be acknowledged, should they be certified?
- Guidelines and standards

You will get further information on the topic and the conference by our contact person Mr. Dipl.-Ing. Rautert. We would be glad if we could arouse your interest and are looking forward to your participation.

The conference language is English.

Your contact partner:

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