EXTEND-E CIVA

Non Destructive Evaluation Simulation and Methodology

CIVA N·D·E I 10

CIVA News > July 2011

Hello,

Summer already arrived; with the sun comes enthusiasm !!

We hope your projects are taking shape and keep on growing to reach your goals.

Conferences

After attending COTEQ in Brasil, NDT in Russia, COFREND in France and AEND in Spain, Extende is going to North America.

We will be attending three main congresses:

- The QNDE conference, from the 17th to the 22nd of July, in Vermont, USA.
- The ASNT conference, from the 24th to the 28th of October, in Palm Springs, USA.
- And NDT in Canada from the 2nd to the 4th of October, in Montreal.

We will also be present at the three following congresses:

- The BINDT in Telford, UK, from the 13th to the 15th of September.
- The COPAEND in Cancun, Mexico, from the 2nd to the 6th of October.
- And the AIPND in Florencia, Italy, from the 26th to the 28th of October.

Once again, we hope to see you there and we kindly invite you to visit our stands.

CIVA training course

Don't forget the timetable of the next training course. If you have a doubt, please do not hesitate to visit our website.

Next session will be on November, from the 15th to the 18th 2011.

As you may already know, this session will be an inter-company course, but dedicated training sessions on your site can also be performed on demand.

If want to register or obtain more information, please contact us at: civatraining@extende.com.

Staff news

Mr. Jeremie Gaine joined our team two months ago. After working during 18 months in the aeronautic area, he joined the support and consulting team.

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Research and Development

In the framework of the FP7 european research program, EXTENDE is now part of a european Research and Development project called Simposium.

It aims to improve time-to-production and time-to-market, by making possible virtual testing at the earliest stages of the part design. The projects will make different numerical tools available in a common software platform, allowing manufacturers to adress NDE in the most efficient way possible.

Emphasis will be put on efficient coupling strategies between numerical and semi-analytical models. Further communication will be available in the future, a dedicated web site will be realized by EXTENDE.
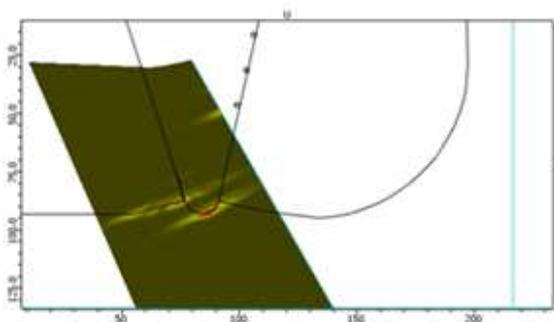
Extende is part of the two main clusters: Mov'eo and Systematic. Mov'eo is dedicated to the automobile and public transport sectors, while Systematic is dedicated to the digital revolution, which is branching out into other areas, including health, security, and the automotive industry as well.

Extende has also be chosen to take part in two other research projects: MOSAICS and ASAP. More information will be given about it on our website.
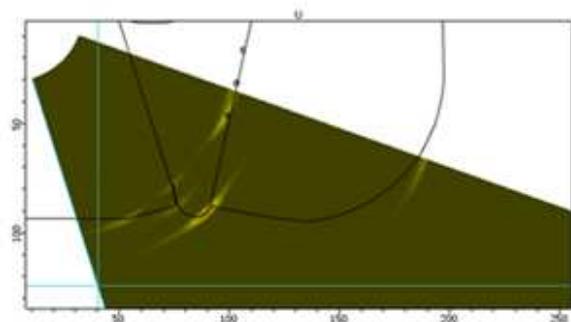
CIVA TIP: Display cumulated views for phased-array inspections

When performing a phased-array inspection involving different sequences or shots for one or several mechanical scanning position, you can cumulate the views from all "Scan" or true "Bscan" in a single image.
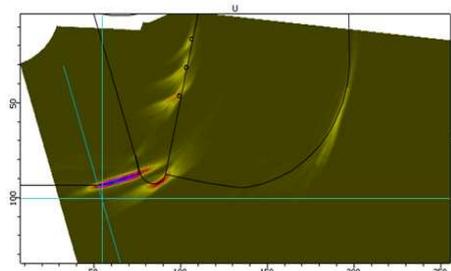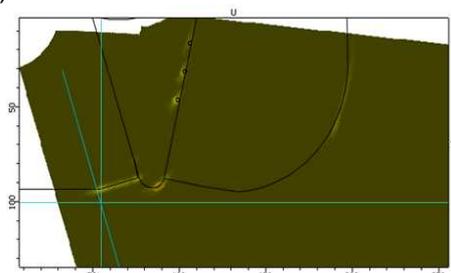
True Bscan

Sscan

To activate this cumulated view, one just needs to select the "data tools" option available in the title bar of the true Bscan or Sscan image and click on the following icons:

 Merged

 Mean Merged

For both of these options, the resulting image contains the complete data displayed in the image. "Merged" image means that, for each pixel of the image, the amplitude displayed corresponds to the maximum amplitude obtained in this region (if several shots correspond to this location), whereas "Mean Merged" image corresponds to the average of all shots for each pixel of the image.

"Merged image": cumulated view for all mechanical position and sectorial scanning position (maximum amplitude displayed)

"Merged image": cumulated view for all mechanical position and sectorial scanning position (average of all shots)

For more information, please contact us :
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