

PREFACE

It is the human nature, where the wish for perfect life without mistakes and, if possible, without problems is built in.

Even in technical textbooks, used for education of our engineers, there are usually homogenous materials with some well-defined physical properties assumed. On this basis the technical layouts are made and according to them there are different products made from chips to space shuttle.

To protect against unexpected troubles one makes products overdimensioned following the so called safety factors.

But it is not enough.

The life, however, is not perfect: there are defects in materials and even in people and their knowledge.

The wish for perfection has nowadays become the need, demanding the quality assurance.

It is also accepting the procedures for detecting defects not as the necessary evil, that one should be ashamed of, but as the important fact that has to be taken into account. Being ready to face this fact increases our confidence that the piece being tested could be relied upon.

The non-destructive testing is one of the tools needed for quality assurance, used by those who are aware of the limitations mentioned above and who are ready to take them into account. The engineers to whom such consideration of quality assurance problems mean their personal professional challenge are gathering in NDT societies. They are interested in the common problems met with the struggle for the common aim: the reliable and safe product. There is permanently more additional knowledge and additional experience needed.

The Slovenian society for NDT who is the regular member of the European Federation for NDT (EFNDT) is organizing this conference to enable the cooperation of all who strive for improving the methods of quality assurance exchanging their experiences.

We do expect that each participant will find in this conference a small part that could be added to his mosaic of information needed for approaching to our common ideal one step forward.

Prof. Janez Grum
President of the Slovenian NDT Society