

The road map for the next generation technologies and their impact in NDT

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New technologies are being developed at a rapid pace. Artificial Intelligence (AI), Digitalization, Cloud Connectivity and many more are having a disruptive impact on the status quo. Within a few months these new technologies are reaching a level of maturity that would have traditionally taken years. As a consequence, many of the proven standards are becoming irrelevant or strongly challenged. This creates ambiguity for operators and companies that has to be addressed at a speed normal standardization efforts are not used to operate at. It also creates uniquely new human factors challenges in the adoption of these technologies. Last but not least, it will have a profound impact on the training and education space in NDT, where a need for completely new formats and curriculum's will arise. This presentation will contextualize the problem statement on a couple of practical examples and will inspire listeners to ask certain questions that have to be solved by the broader NDT community. At this stage, nobody has all the answers to the issues stated above. But it is important to create a joint understanding between industry, operators and academia to kick off the work groups and research that addresses them and ultimately leads to new standards and principles.