

May 21, 2019

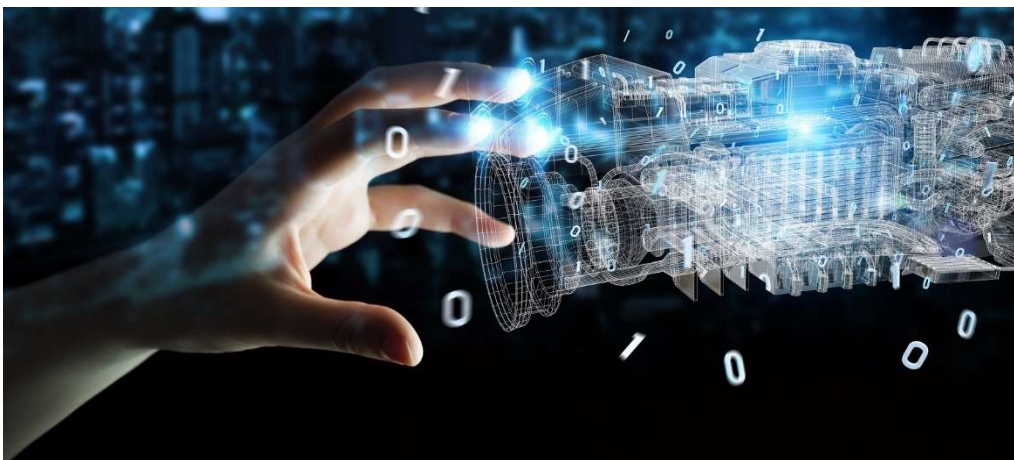
# Press Information

Forum MedTech Pharma e.V.



## X-Ray - a Technology with Potential

The unique properties of X-rays as a base for powerful analytical methods were recognized shortly after their discovery. In the meantime, this technology has found usage particularly in medical diagnostics and non-destructive material testing. However, the potential of X-rays is far from being exhausted.



Medical X-ray examinations are well known by personal experience e. g. in the case of injuries with suspected bone fracture. There is a need for improved or completely new methods of generating X-rays: in the further development of established X-ray diagnostics, for example to reduce radiation exposure, but also in new areas of application in biomedical imaging.

The application of X-rays in the field of non-destructive testing is playing an increasingly important role in development and manufacturing processes. Information on material properties is valuable at every step of the product life cycle and contributes to improved quality and efficiency in manufacturing. The intelligent combination of X-ray based data collection with innovative methods of data analytics opens completely new possibilities in process optimization and quality management.

Further Informationen:  
[www.carat-conference.com](http://www.carat-conference.com)

Press contact: Bianca Heinrich  
Tel.: 0911 20671-331, Mail: [heinrich@medtech-pharma.de](mailto:heinrich@medtech-pharma.de)  
Forum MedTech Pharma e.V., Am Tullnaupark 8, 90402 Nürnberg

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Alternatives to beam generation via X-ray tubes are already being researched. The generation of X-rays using laser pulses or laser-based particle acceleration methods offers promising approaches. There is a great need for the exchange of experience and discussion of first experience and upcoming technical challenges.

The CARAT X-ray conference addresses this highly important research topic and invites you to the only European event in this field on 21 and 22 May. Renowned national and international experts will share their knowledge and encourage exchange. The potential of X-rays will be further exploited by sharing expertise and developing new approaches.

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