26 **Presentation**





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CARS

Theo van Walsum

Theo van Walsum has presented at CARS2017 **Pierre Ambrosini**'s work on Catheter Segmentation in X-Ray Fluoroscopy Using Convolutional Neural Networks.

Theo is associate professor at **Erasmus MC in Rotterdam, Netherlands**. He told us that the work is about trying to automatically segment a thin instrument that is visible in x-ray images on video, which is useful for the surgeon during the catheter intervention surgery.

Previous approaches that exist are either not fully automatic, or if they are fully automatic, they are not real time. This new approach would apply this on live imaging, so it must be **fully automatic** and it must be **real time**.

The lack of good algorithms and computational power has hampered this process

