



## **Towards the development of autonomous wheelchair**

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- IEEE
- 22nd International Conference on Control Systems and Computer Science (CSCS)
- Um sistema para controle de cadeira de rodas autonoma
- Baseado em processamento de imagem
- Redes neurais convolucionais

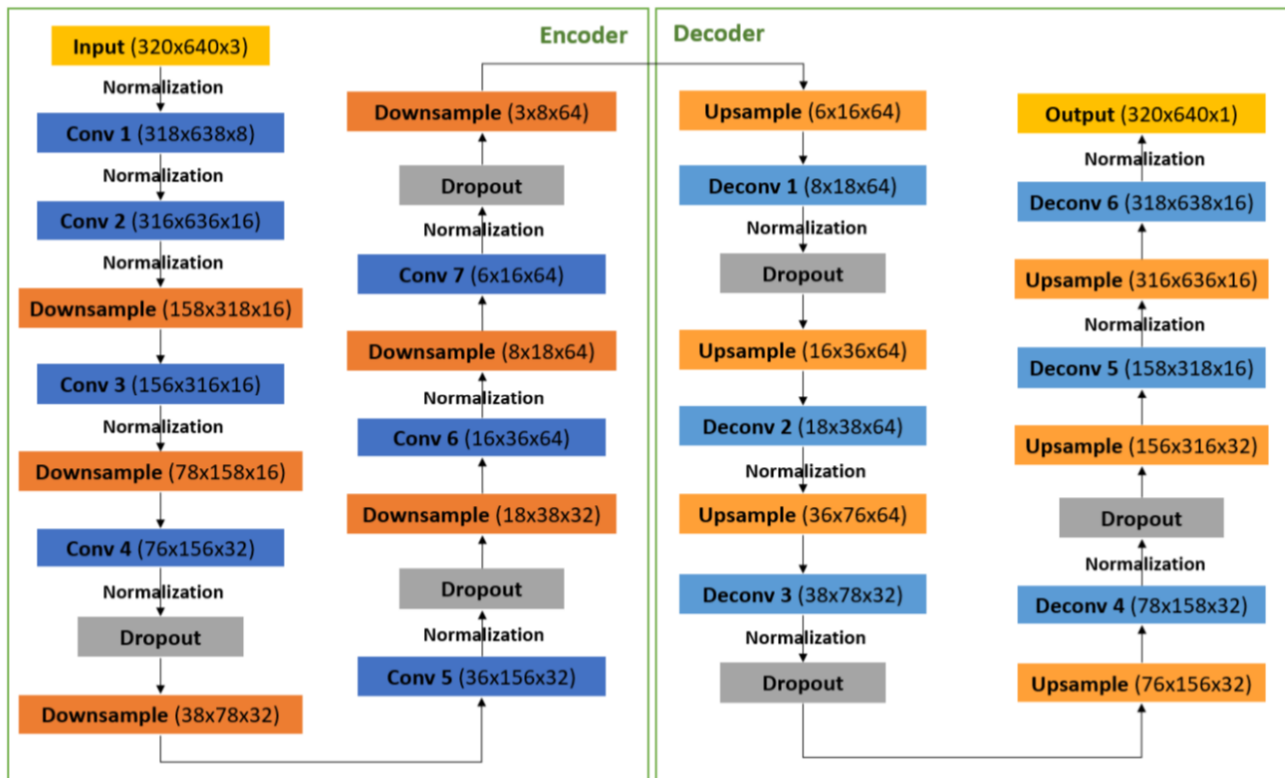




Fig. 2. Early version result of the FCN



Fig. 3. Result of the FCN with normalized layers



Fig. 4. Final FCN result with direction arrow



- Dataset de 1000 imagens
- $IoU = 0,47$
- Aplicado em 150 imagens
- Precisão de 72%

**OBRIGADO.**

