

Resilience? What A Smart Home Can Be In The Future

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Context-Active Resilience (CAR) Project

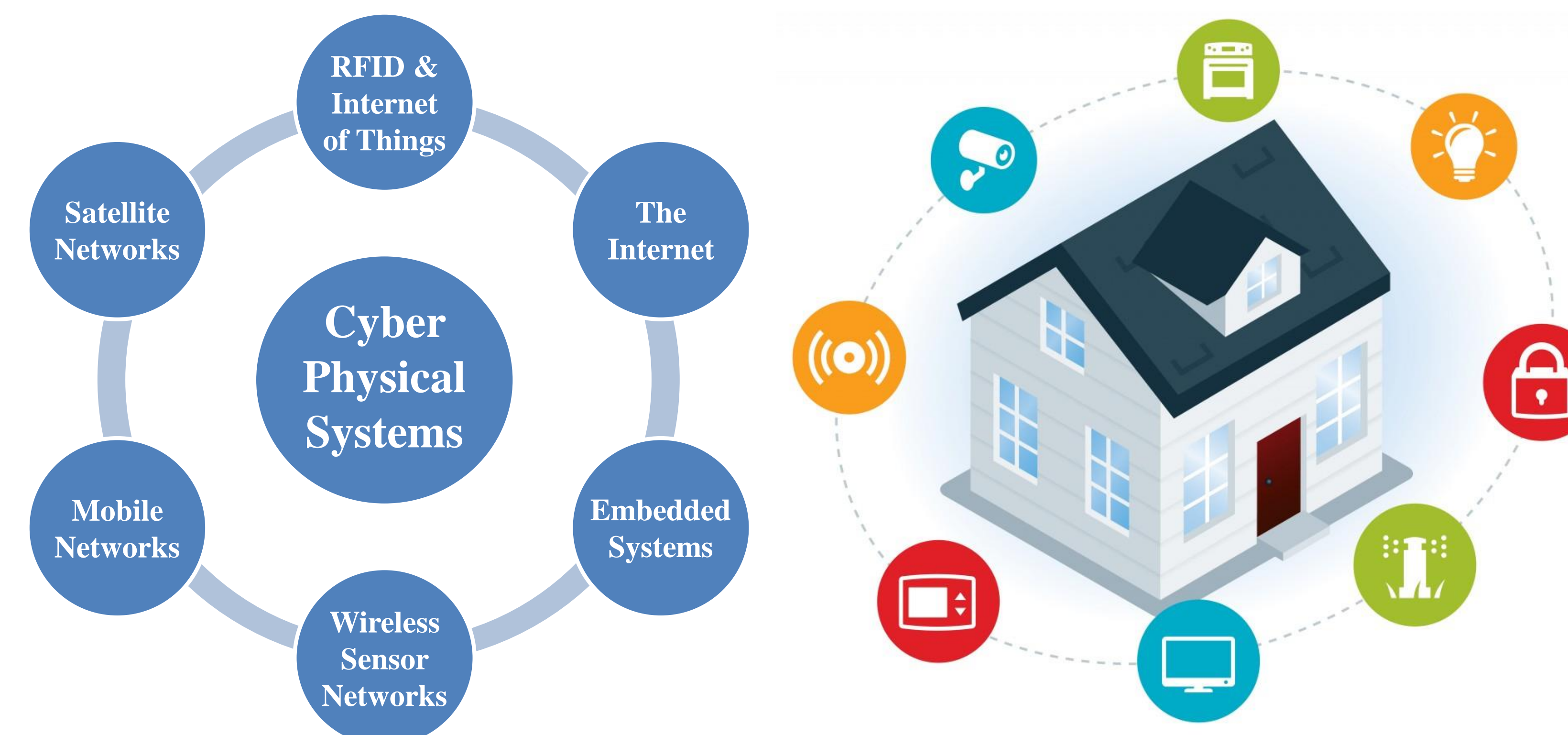
What is CAR?

CAR stands for Context-Active Resilience in Cyber Physical Systems. It is a European Union's Horizon 2020 project funded under the Marie Skłodowska-Curie Action programme.

What does CAR do?

The CAR project will benefit the researcher by giving and enhancing the knowledge and skills for a future generation of CPSs which enjoy the unique feature of context-active resilience. With such new capability and training, the fellow is expected to realise his potential and gain his leading role at international level in CPS research community.

The project will simultaneously advance the theoretic approach and art of practice of this emerging topic, improve the competency of the fellow, enhance the host's research profile and infrastructure, and benefit the society, living, economy and related research communities significantly.



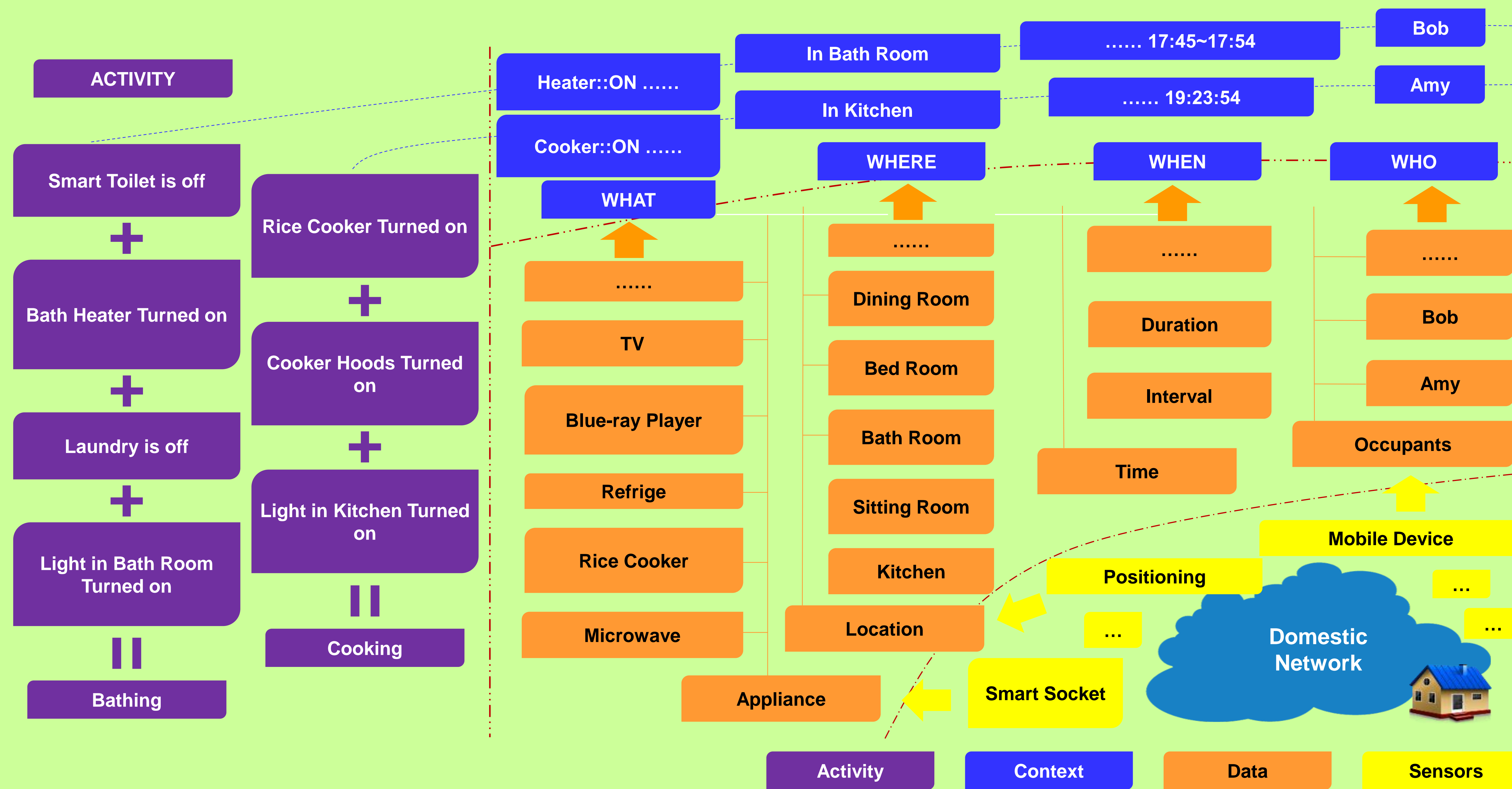
Who are we?

Dr. Qi Liu works as a Senior Research Fellow in the School of Computing, Edinburgh Napier University. He is also a professor of Computer Science and Technology in the School of Computer and Software, Nanjing University of Information Science and Technology. His research interests include Internet of Things, Home Energy Management Systems, Distributed Computing and Wireless Sensor Networks.

Prof. Xiaodong Liu is currently leading the Software Systems research group in the IIDI, Edinburgh Napier University. He was the director of Centre for Information & Software Systems. He is an active researcher in Software Engineering with internationally excellent reputation and leading expertise in Context-aware Adaptive Services, Service Evolution, Mobile Clouds, Pervasive Computing, Software Reuse, and Green Software Engineering.

CAR in Smart Homes

A Typical Use of Context Active Resilience



A Typical Scenario in a Smart Home

