

# Defence Against the Dark Artefacts

Derek McAuley

Cosener's Houe, Juy 2018



WIKIPEDIA  
The Free Encyclopedia

Article [Talk](#)

# 1989, solving real (first) world problems

## Trojan Room coffee pot

From Wikipedia, the free encyclopedia



My office

PhD students

Coffee pot

“IoT” Solution



# TRUST IN PERSONAL DATA: A UK REVIEW

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Following and assessing the  
UK's journey to becoming a  
data-driven nation

**CATAPULT**  
Digital

## KEY STATISTICS:

**96%** of respondents claim to understand the term 'personal data' but less than two-thirds (64%) picked the correct definition

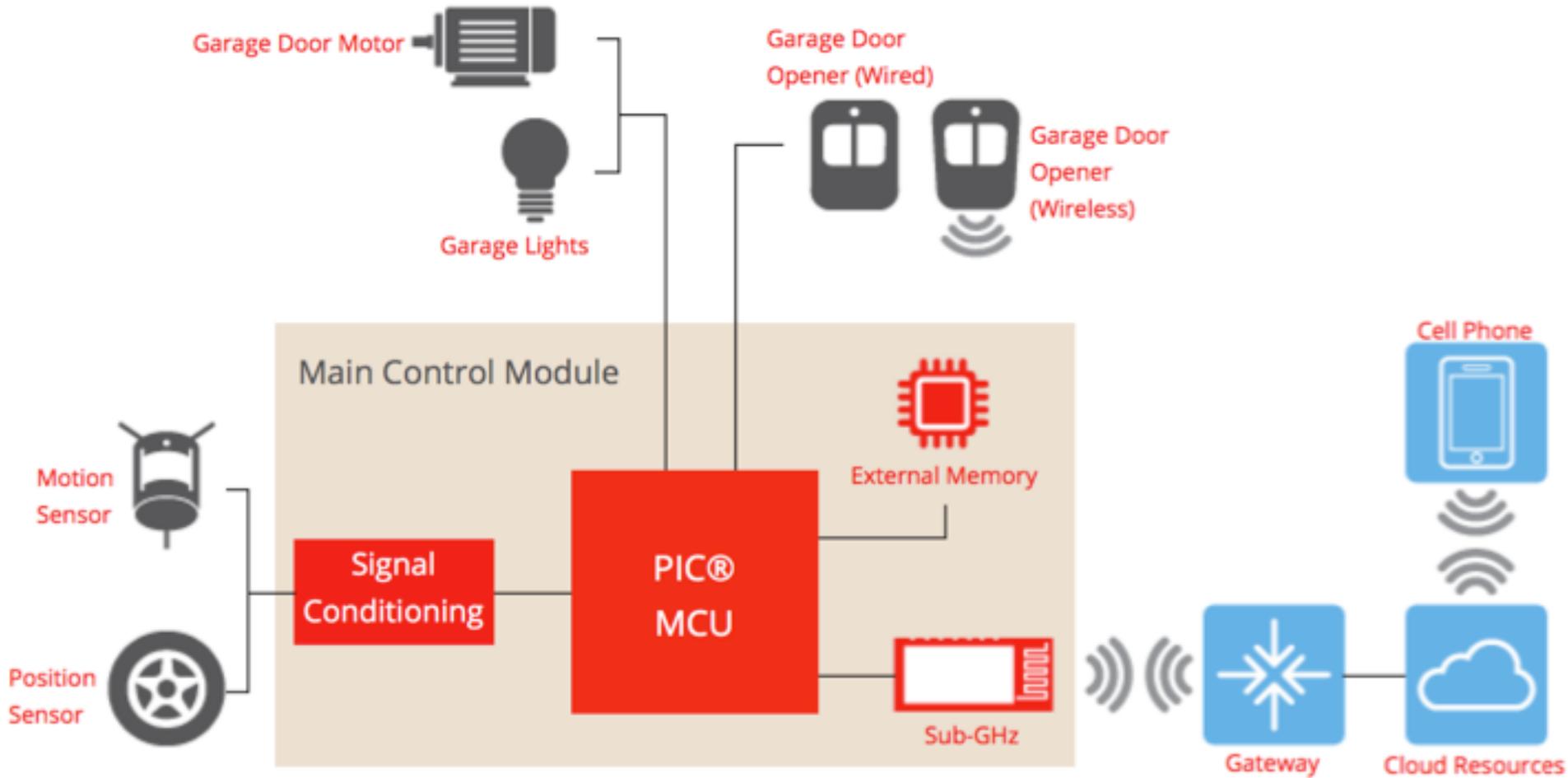
**65%** of consumers are unsure if data is being shared without their consent

**30%** of respondents believe they are responsible for educating themselves on the use and protection of data

**32%** believe this responsibility lies with the Government

**30%** interested in data management service

# What could possibly go wrong?





Abstract ▾

Send to: ▾

Pediatrics. 1996 Oct;98(4 Pt 1):770-3.

## Automatic garage door openers: hazard for children.

Kriel RL<sup>1</sup>, Gormley ME Jr, Krach LE, Luxenberg MG, Bartsh SM, Bertrand JR.

### ⊕ Author information

#### Abstract

**OBJECTIVES:** Despite significant advances in automatic garage door opener design, automatic garage door openers continue to severely injure or kill children. In this investigation, we sought to determine the frequency and circumstances of accidents that have caused severe injury or death to children. We also tried to develop a means by which homeowners can evaluate their door openers.

Known domestic child killers for 20 years



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# FEDERAL REGISTER

The Daily Journal of the United States Government

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Rule

## Safety Standard for Automatic Residential Garage Door Operators

A Rule by the [Consumer Product Safety Commission](#) on 04/07/2016



(b) In addition to the inherent primary entrapment protection as required by paragraph (a) of this section, a vertically moving residential garage door operator shall comply with one of the following:

(1) Shall be constructed to:

(i) Require constant pressure on a control intended to be installed and activated within line of sight of the door to lower the door;

Internet of Shit Retweeted



**LockPickingLawyer** @LockPickingLwyr · Jun 15

The company that sent me the pictured fingerprint lock has provided the security quote of the year: "...the lock is invincible to the people who do not have a screwdriver."



I received this lock today and have disappointing news. I am unable to provide a positive review.

Upon examining the lock, I found that if you remove three screws (see picture below), the lock falls apart. The shackle can be opened and relocked without the owner's fingerprint or knowledge.

I view this as a significant design and security flaw that cannot be ignored. Because of it, I am unable to recommend this product or provide a positive review. I hope you understand my concern.

Thanks for your reply and we value your concerns.

Literally, we designed this fingerprint lock with the purpose of againsting theft however, the lock is invincible to the people who do not have a screw driver.

be frank, we received several positive feedbacks from our customers, but most of them don't know how to use the lock clearly. Therefore, we need to post a video review on Youtube to help our customers.

It's okay. We will take your concerns and f

481 14K 31K

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# ANNOUNCEMENT: 5RIGHTS YOUTH JURIES REPORT LAUNCH AT PARLIAMENT

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The UnBias team is pleased to announce the launch of a groundbreaking report that articulates the voice of children and young people, and their relationship to the internet and digital technologies.

The launch will take place at the House of Lords next 31<sup>st</sup> of January and it be presented by Baroness Beeban Kidron, Prof Stephen Coleman from Leeds University and Elvira Perez from the UnBias team. Children and young people will be attending the launch and contributing the Q&A session.

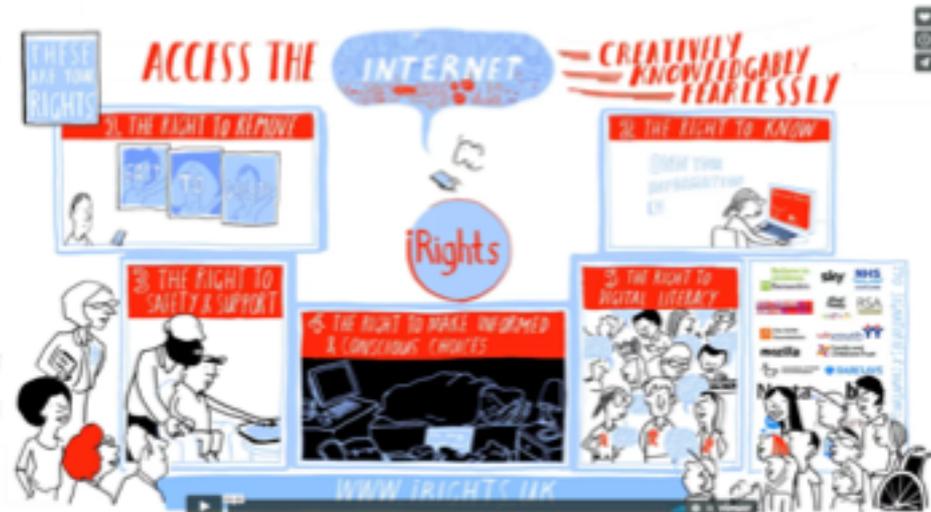


*Mural created at the Web We Want Festival*

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The launch... and it be pr... man from L... Children ar... uting the C...

## 5Rights

5Rights takes the existing rights of children and young people (under 18), and articulates them for the digital world. Signatories to the 5Rights framework believe that young people should be supported to access digital technologies creatively, knowledgeably and fearlessly.



Mural created at the Web We Want Festival

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The UnBias team is pleased to announce the launch of a groundbreaking report that articulates the people, and their relationship to the technologies.

The launch will take place at the House of Lords and it be presented by Baroness Beckman from Leeds University and Elvira Perez from Children and young people will be attending the Q&A session.

5Rights takes the existing rights of children (under 18), and articulates them in relation to the 5Rights framework. Children are supported to access the internet knowledgeably and safely.



## HOUSE OF LORDS

### Select Committee on Communications

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2nd Report of Session 2016–17

# Growing up with the internet

[Home](#)

News story

# Children to be given extra protection online

The Government has proposed a new statutory power to ensure children's data in the UK is given an extra level of protection.

Published 11 December 2017

From: [Department for Digital, Culture, Media & Sport](#) and [The Rt Hon Matt Hancock MP](#)

to the 5Rights framework believe that young people should be supported to access digital technologies creatively, knowledgeably and fearlessly.

# Growing up with the internet



[About the ICO](#) / [ICO and stakeholder consultations](#) /

# Call for evidence - Age Appropriate Design Code

Consultation Start Date **27 June 2018**

Type **ICO consultation, Open**

**This consultation closes on 19 September 2018;**

from: [Department for Digital, Culture, Media and Sport](#) and [Information Commissioner's Office](#)

to the 5Rights framework believe that young people should be supported to access digital technologies creatively, knowledgeably and fearlessly.

Growing up  
with the internet

# The Enterprise Immune System

Learns • Detects • Responds

[Find out how >](#)











## LATEST NEWS

Leading Investment Management Firm Selects Darktrace Antigena

“With Darktrace, talk about AI in cyber security has turned into action.”

Ovum

Modeled on the human immune system, Darktrace’s technology is the world’s leading, enterprise-grade AI with over 5,000 deployments worldwide.

Protecting corporate networks, cloud and virtualized environments, IoT and industrial control systems, Darktrace autonomously detects and fights back against emerging cyber-threats across the enterprise.

[Read more >](#)

# DADA scenario

In the home and SMEs:

- the cyber security solutions currently being defined for IoT systems will not deal with legacy issues and will never achieve 100% adoption;
- extant businesses limit the period of time for which they will provide software and security updates (even if they don't go out of business);
- cyber security is an arms race and threats will continue to emerge in future;
- the public will never become network security experts.

# The plan

## The technical

- Traffic Monitoring and Enforcement
- Device Profiling and Aggregation
- Shaping User Interaction

## The social

- Ethnographic studies
- Contravision workshops
- Compliance by Design

<http://www.horizon.ac.uk>



Questions?

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[@drdrmc](#)