

The Weightmans logo consists of the word "Weightmans" in white, sans-serif font, centered within a dark teal, rounded rectangular shape.

Weightmans



Weightmans

AI – what does it mean for businesses?

An example of collaboration between the University of Liverpool
and Weightmans LLP

Professor Katie Atkinson
Dean of the School of Electrical Engineering,
Electronics and Computer Science
University of Liverpool
0151 795 4243
K.M.Atkinson@liverpool.ac.uk

Dr Catriona Wolfenden
Innovation Manager
Weightmans

0151 242 6833
catriona.wolfenden@weightmans.com

Overview

1. Why we have collaborated
2. What we have collaborated on
3. Tips and tricks on academia and business collaborations

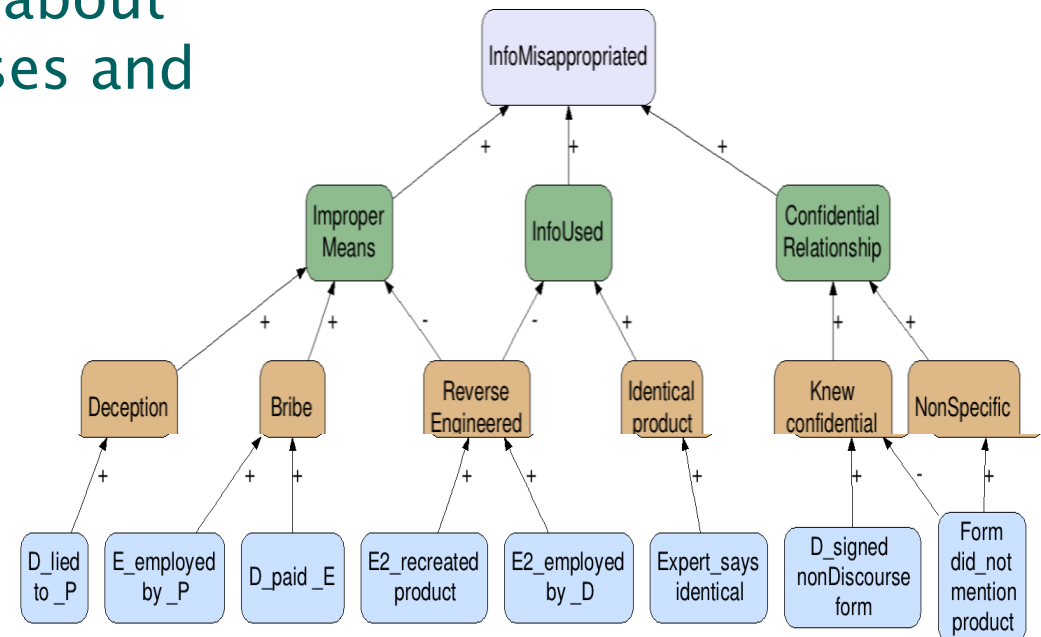
Why we have collaborated – University of Liverpool

- History of research of the topic of AI and Law
- Desire to use 'real life' data for testing research techniques
- Impact development (important for the Research Excellence Framework)
- Availability of subject matter experts



Why we have collaborated – University of Liverpool

- ADFs – abstract dialectical frameworks;
theory to practice
- Case based reasoning
 - How to represent cases, reason about
them in the context of other cases and
explain decisions in
hard cases



Why we have collaborated – Weightmans
What is the problem we are trying to solve?



What we have collaborated on Our approach – grounded in theory

Noise Induced Hearing Loss: An Application Of the Angelic Methodology

Latifa Al-Abdulkarim, Katie Atkinson, Trevor Bench-Capon,
Department of Computer Science, The University of Liverpool, UK

Stuart Whittle, Rob Williams and Catriona Wolfenden
Weightmans LLP, Liverpool, UK

Abstract. We describe the use of the ANGELIC methodology, developed to encapsulate knowledge of particular legal domains, to build a full scale practical application for internal use by a firm of legal practitioners. We describe the application, the sources used, the stages in development and the application. Some evaluation of the project and its potential for further development is given. The project represents an important step in demonstrating that academic research can prove useful to legal practitioners confronted by real legal tasks.

Noise Induced Hearing Loss: Building An Application Using the Angelic Methodology

Latifa Al-Abdulkarim, Katie Atkinson, Trevor Bench-Capon,
Department of Computer Science, The University of Liverpool, UK

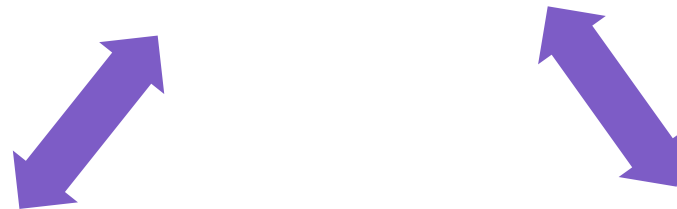
Stuart Whittle, Rob Williams and Catriona Wolfenden
Weightmans LLP, Liverpool, UK

Abstract. The ANGELIC methodology was developed to encapsulate knowledge of particular legal domains. In this paper we describe its use to build a full scale practical application intended to be used internally by Weightmans, a large firm of legal practitioners with branches throughout the UK. We describe the domain, Noise Induced Hearing Loss (NIHL), the sources used, the stages in development and the resulting application. Some evaluation of the project and its potential for further development is given. The project represents an important step in demonstrating that academic research can prove useful to legal practitioners confronted by real legal tasks.

Weightmans



What we have collaborated on
Process and technology



© Weightmans LLP



Weightmans

Law is our business

What the collaboration has given us Gains and Outcomes

- Efficiency gains in processing work.
- Demonstrable, documented success of the application of AI research within our business.
- Clear audit trail.
- Ultimately, assisting with improving our service to our clients.



Weightmans



Collaboration tips and tricks



translation

language



BUSINESS

© Weightmans

Some final thoughts on our collaboration journey

- Business
 - Clear articulation of the problem/task to be tackled.
 - Getting in-house staff on board with the project.
 - Dedicating time for the input to the technologies.
- Academics
 - Cutting through the hype.
 - Making the research accessible.
 - Developing mutual goals.

Collaboratively aligning our different motivations and drivers has led to the success of our project



2019 Modern Law Awards: Winners of Best Use of Technology

L–R Rob Williams (Weightmans), Dr Catriona Wolfenden (Weightmans), Prof Katie Atkinson (University of Liverpool), Stuart Whittle (Weightmans), Chloe Doyle (Kira Systems).

Weightmans



THANK YOU