

Expect the Unexpected: from the mighty Alice to the humble Capacitor

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Security at large

- Problems
 - Don't stick your head in the sand
 - Don't think that movie-plot threats are real
- Elements of the solution
 - Taking out the guesswork
 - Out of the box thinking



Taking out the guesswork

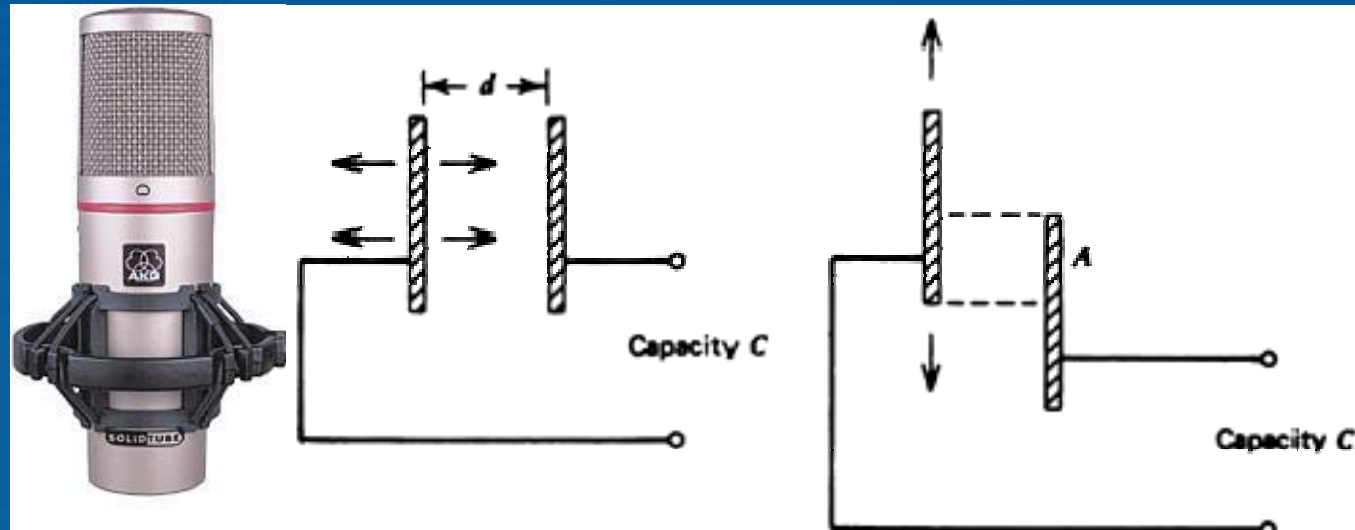


- Policy =  =
□ (Alice at Bob's $\supset \neg \diamond$ Alice at Charlie's)

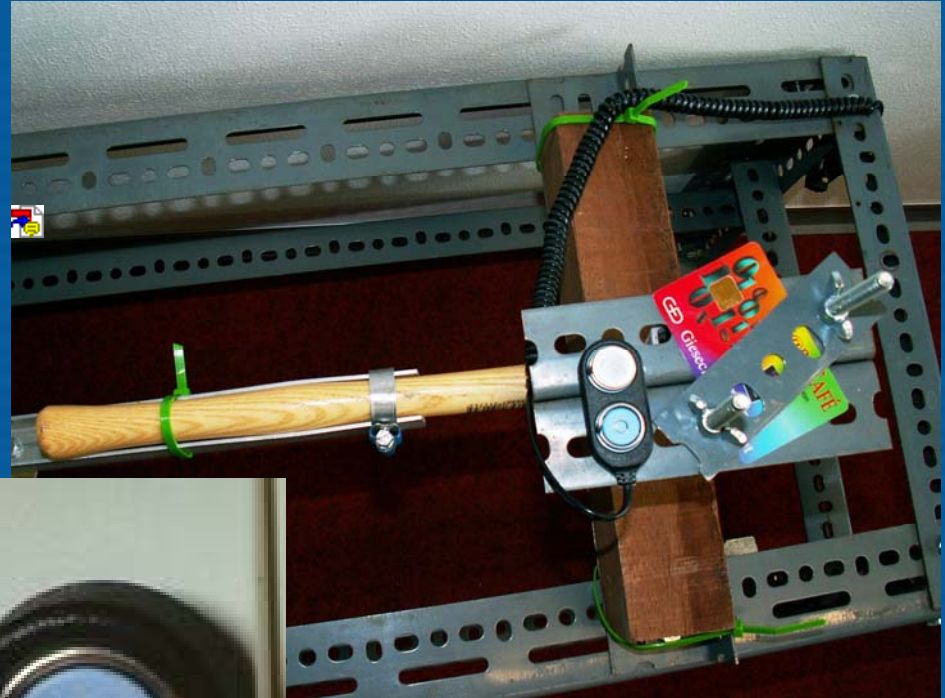
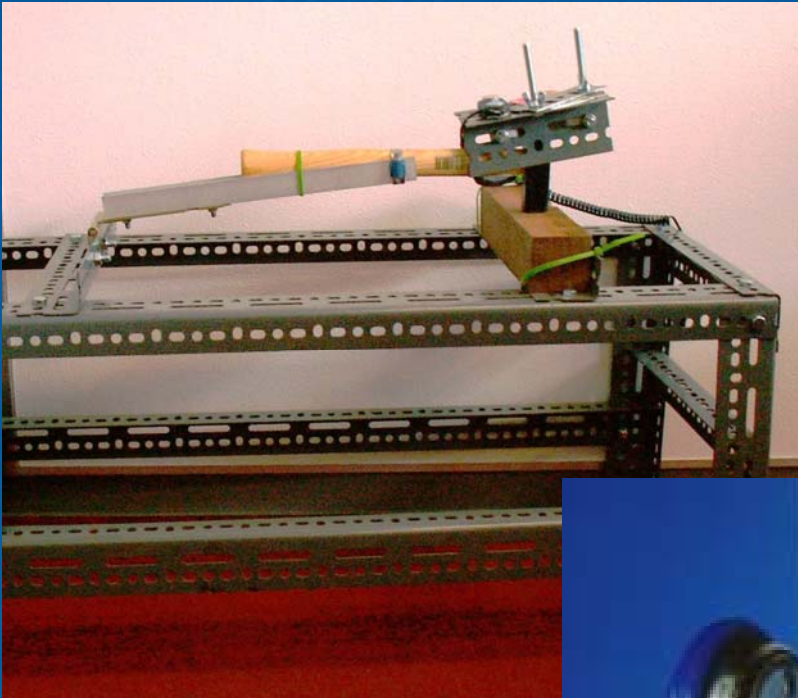
- Model checking: System $\not\models$ Policy ?

Out of the box thinking

- The humble Capacitor
 - Emanates acoustic signals
 - Sensitive to shocks and vibration
 - $C \propto A / d$



Hitting a piece of wood with a hammer to shake working components



Conclusion

- Modelling takes the guesswork out
- Listening and Hitting are out of the box
- Information lives in the physical world, with Alice and the Capacitor...