

Making a case for
Empathetic* Cross-disciplinary Teaching
of Networking

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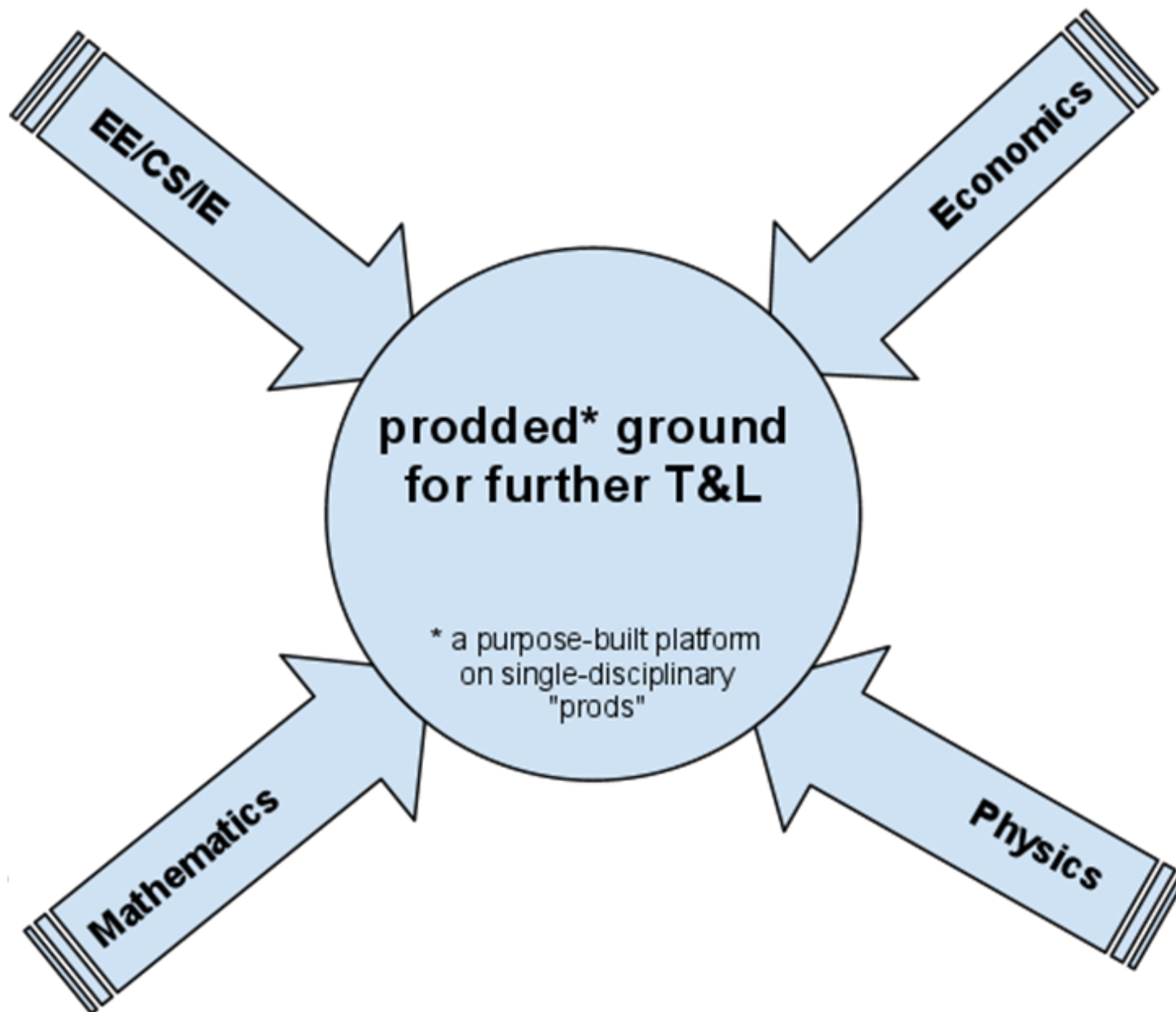
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* *with empathy, not pathetic*

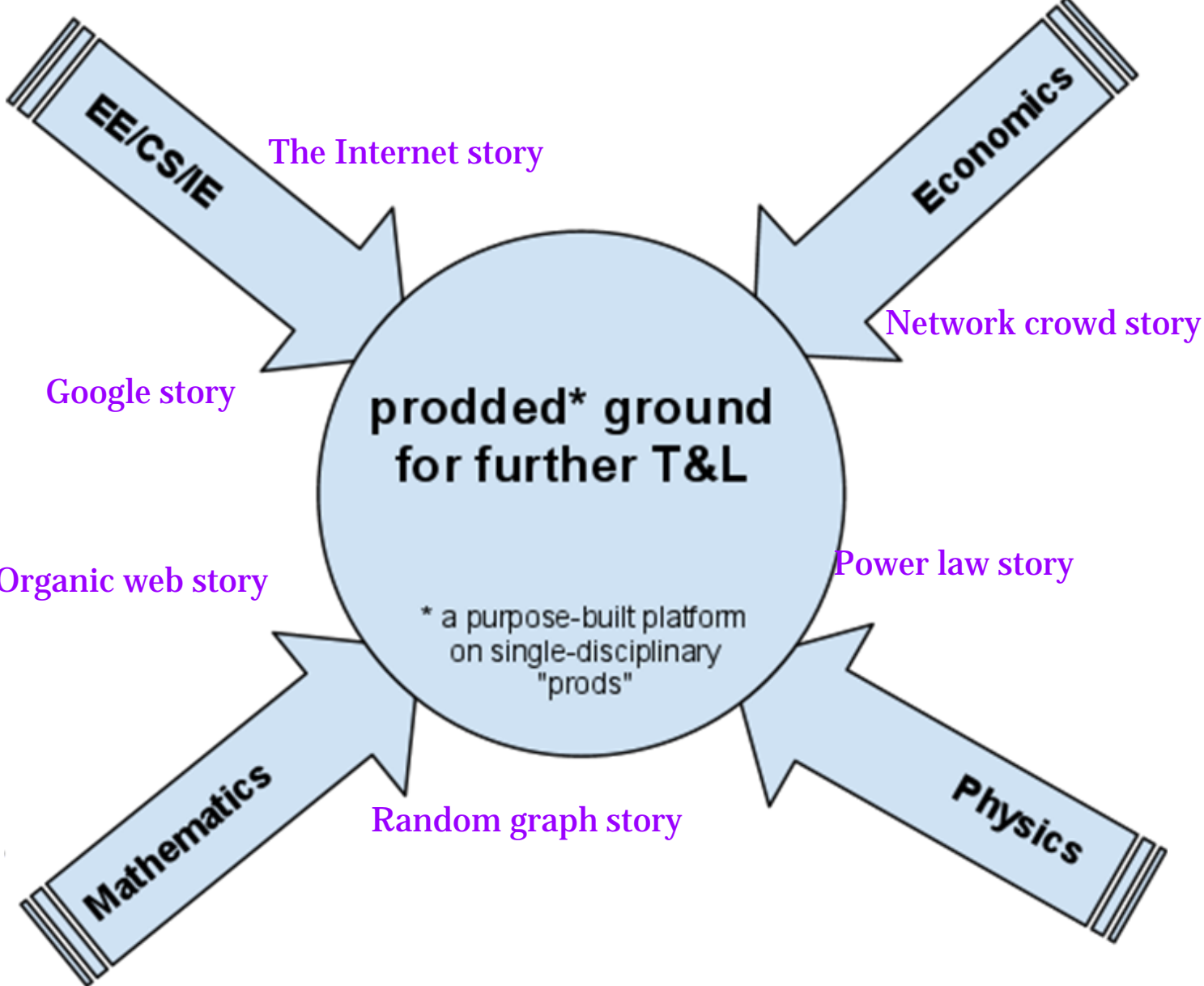
Cross-disciplinary, *and doubly so*

- cross-disciplinary **content and issues**
 - EE/CS/IE - technology, ...
 - mathematics - analytic tools, ...
 - physics - modelling tools, ...
 - economics - issues, ...
- cross-disciplinary **class**
 - EE/CS/IE students - what's incentive?
 - mathematics students - what's protocol?
 - physics students - what's reversibility?
 - economics students - where's the beef?

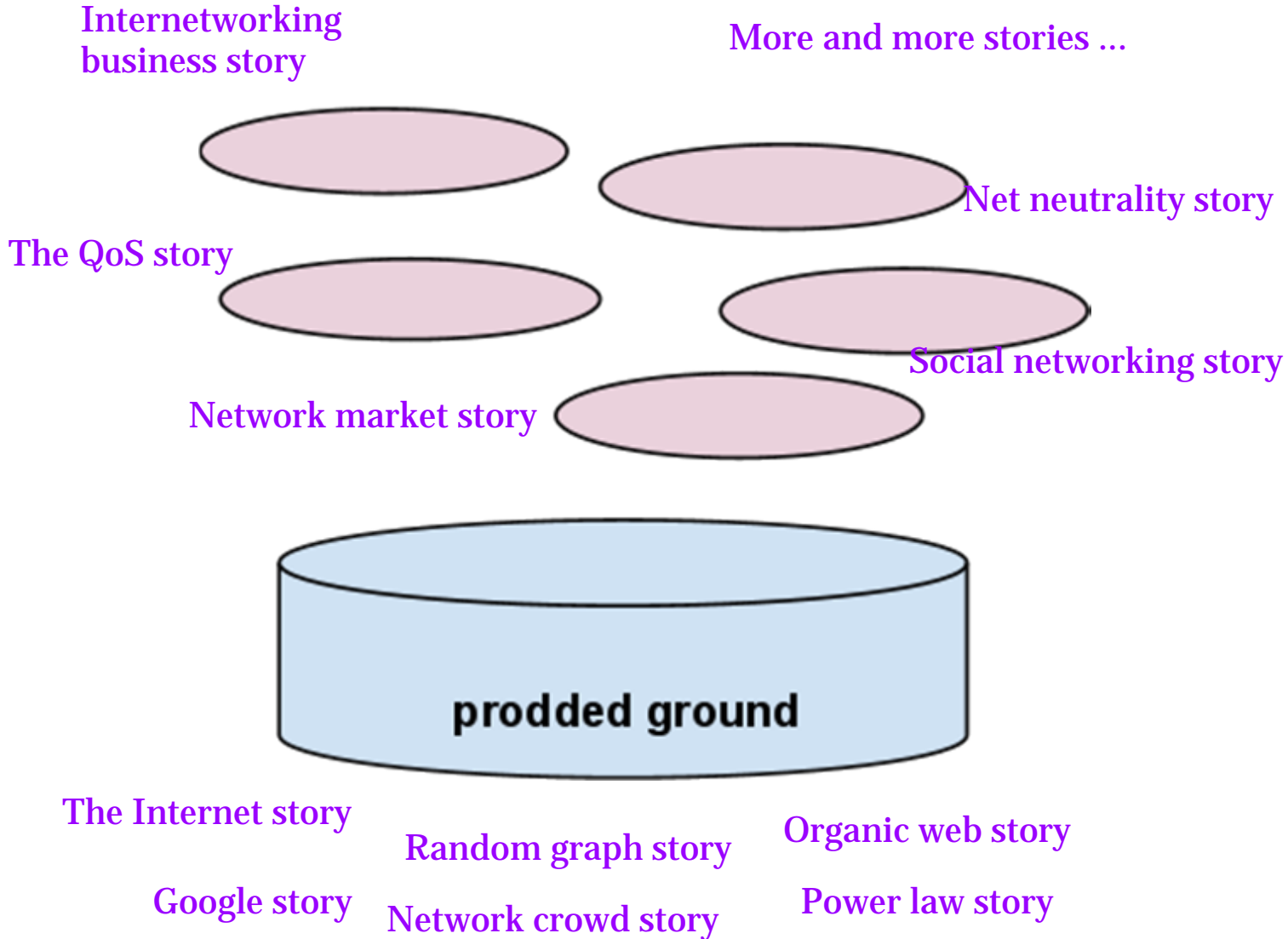
Cross-disciplinary ... *a bridge at a time*



Cross-disciplinary ... *a "story" at a time*



Open networking stories launched from the prodded ground



Dept of Information Engineering at CUHK

- Created in 1989
 - Can be thought of as “Computer Engineering” in Internet age
- Areas: Communications, networking, security, image processing
- Some successes:
 - Network coding
 - Coolstreaming (P2P streaming)
 - Single image haze removal (CVPR 2009 Best Paper)
- Area for expansion: cyber security
 - Actively recruiting