

# How Does Theme 1 Play in Hamilton ?

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# Summary

- Theme: Jane Jacobs vs Tim Horton's Effect
- Industrial Deconstruction: End of Companies/Industries
  - Supply Chains
  - Knowledge Networks
- Supply Chains are Contested Terrain (Rutherford, Sturgeon 2008)

# Pre-Conception: Two Models

- Steel/Mfg: Community of Practice
  - Engineers: National Open Hearth Conference
- Bio-Medical : Epistemic Community
  - McMaster: Hamilton Health Sciences
- Conclusion:
  - Two Networks of Synthetic Knowledge Transfer
    - Steel Applications
    - Health Services Innovation

# Steel Network Actors

- Formal Governance: Culture Wars
  - DFS vs STE
- Complexity on the Ground
  - Steel Engineering technical committees
  - AISI, IISI, CPSA
  - Labour Markets & CBA's
    - Wages & Benefits
    - CWS
    - DFS & CSTECC Curriculum

# Steel Under NAFTA

- Search for NA Steel Industry
  - NA Steel Council
  - Common Steel Trade Policy
- Innovation
  - Abandonment of Independent Technology Development (STE)
  - Technology Licensing

# Steel, Universities and Labs

- Little active connection
  - Steel Research Centre:
    - STE: Passive, reluctant
    - DFS: Human Capital play
- Network Driver: Auto Industry
  - ULSAB Consortium
    - DFS quickest learner, implementer
    - Software metaphor

# After Steel

- Two Restructuring Stories
  - STE: US Steel: Dismantling
    - Message: Innovative products and plants
  - DFS: Mittal: Re-positioning
    - Global R&D Centre: McMaster, Canmet
- Implication: Deconstruction
  - Mills, Companies, Industries
  - Supply Chains, Knowledge Networks

# Bio-Medical, Health Sciences

- Innovative Firms
  - Health Services
  - NOT Biotech, Pharmatech
- McMaster Teaching Model:
  - Evidence Based Medicine
  - Clinical Practices



# Cluster Connections

- Formal Governance
  - Steel Execs: Health Sciences
    - Chairs: Jones, Pether
    - Chairs of all key committees
- Complexity on the Ground
  - Gap in Venture Capital Markets for Firms
  - Services Model alternative financing
  - USWA & CAW benefit plans: base for services innovation

# Hamilton vs Waterloo

- Role of Intellectual Capital legal regime in Waterloo
  - Inventor keeps rights, not just royalty share
  - Role of University Tech Transfer Offices
- McMaster University
  - Traditional model: University keeps rights
  - Exception: Advanced Filtration company
    - Waiver of Policy
    - Still chronic financing problems