PaperPoint: A Paper-based Presentation and Interactive Paper Prototyping Tool. Signer and Norrie. TEI. 2007.

What are the core research questions addressed by the work?

- Enabling presentations to be controlled from printed slide handouts

What motivates the work?

- Users dissatisfaction with the current PowerPoint laptop interface: too much information, distracting, prefers an interface where the audience view is mirrored exactly

How does the work understand the usage, capabilities, and limitations of paper?

- Capabilities of paper: cheaper, annotatable, preferred for writing, dynamic, light
- In the context of presentation delivery:
    - Digital slides are superior in presentation quality
    - In preparing for and delivering a presentation, written notes often used to serve as reminders or prompts to the speaker
    - During the presentation, written notes are occasionally used to record questions and comments from the audience or to note corrections to be made to the slides

What is the target application domain of the work?

- Presentation delivery

What are some proposed extensions to paper proposed by the work?

- Enable pen and paper input into controlling a presentation application
    - Target of achieving greater mobility: Presenter has more freedom in terms of how they move with the space and interact with the audience
    - Also enables easier annotation: The interface supports both control and annotation
    - Bringing some functionalities or properties available on traditional blackboard back to digital presentation tools

What design constraints or objectives guided the work's implementation of the proposed extensions?

- The work used an active areas framework to conceptualize how paper can be used as a input device
    - Active areas can be defined on paper documents as arbitrary shapes
        - Active areas can be linked to supplementary digital services
        - Each time a user selects a position within one of these active paper regions, the corresponding link is activated

How are the proposed extensions implemented?

- Anoto digital pen and paper system
    - Continuous streaming to server for writing capture
    - Control with active regions

What findings have been obtained from either the implementation process or an evaluation of the proposed system?

- There are several limitations stated within the work with the proposed approach:
    - There is no streamlined process for producing active presentation slide printouts

- While the system worked well with users familiar with the collection of slides, in some cases, it resulted in the presenters being under-prepared in terms of planning the structure and the content of a presentation
    - Less adept users had far too many slides, spend too much time selecting slides during the presentation