

WHITE PAPER

## SYNTHESIS FOR TECHNOLOGY MANAGERS AND ENTERPRENEURS

Rapid Literature Reviews for the Current State of Industry and Academia

Synthesis Research Inc.

### EXECUTIVE SUMMARY

Technology managers and entrepreneurs need to stay up to date on the latest industry and academic information. Synthesis provides an inclusive environment in which the United States (USPTO) patent information and publications from the technical (IEEE and arXiv.org) and medical (PubMed) domains can be quickly searched, collated and the references managed and assessed. Allowing knowledge to be quickly generated and acted upon.

### SEARCH THE USPTO PATENT LITERATURE

Synthesis provides an embedded interface into the USPTO Patent database so that patent searches can occur quickly and the full-text patent PDFs retrieved and managed with Synthesis. This allows inventors and innovators to quickly understand the current intellectual property environment of their invention or process and act accordingly.

### SEARCH THE TECHNOLOGY LITERATURE

Synthesis provides an embedded interface into the academic technical literature, either through IEEE or through arXiv.org. Both of these databases can be search and the references extracted. Additionally, through arXiv.org the full-text PDFs can be downloaded, and with the appropriate institutional licensing IEEE full-text PDFs can be downloaded as well.

### SEARCH THE MEDICAL LITERATURE

Synthesis was originally created for the medical community. Databases such as PubMed and PubMed Central are integrated into Synthesis through an embedded search interface that provides access to the latest medical and health academic literature.

### QUICKLY COLLATE, SYNTHESIZE AND ASSESS

References from the patent, technical and medical domains can be combined into one database, so that a complete and comprehensive understand of the current and historic knowledge can be assessed and understood. Synthesis provides other tools to help in this knowledge synthesis through such techniques as word clouds, topic clustering, and powerful keyword and phrases searching and reference tagging for both the abstract and the full-text PDFs. Allowing knowledge to be quickly generated and acted upon.

### ABOUT SYNTHESIS RESEARCH INC.

Synthesis Research Inc. is a leading provider of intelligent literature review and text analytics software application solutions. Synthesis enables medical, technical, and patent searches to be conducted in the most efficient and automated manner. Synthesis runs on Windows, Apple, and Unix platforms.

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For medical academic researchers and operational hospital executives the rapid analysis of the literature is essential for better evidence-based decision making.

- USPTO Patent Searching
- IEEE and arXiv.org Technical Searching
- PubMed Medical Searching

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