PLANETBRAIN Challenged

Awards and Competitions

PLANET AI is a research-driven company that develops AI applications with human-inspired cognitive capabilities, enabling customers to unlock and process information from unstructured documents, automate data capture, and achieve the most accurate results. Discover how their patented technology proved its abilities at the most renowned international competitions.

96 % accuracy in keyword-search
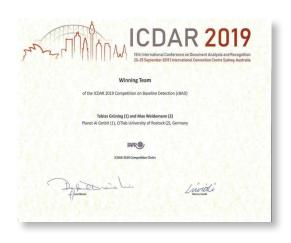
twice as much as competitors

Outstanding track record

Six wins at ICDAR

PLANET AI's fruitful and long-term collaboration with the CITlab team at the University of Rostock has yielded numerous successes in international competitions and conventions.

Learning, Evaluating, and Winning Again

The cBAD competition assesses state-of-the-art baseline detection algorithms on archival documents. PLANET AI's contribution was an improved version of the cBAD 2017, featuring a larger dataset, and revealing a substantial performance boost in automated baseline detection over two years.

Unbeatable Keyword-Spotting Capability

A common document processing task involves searching for words in typed or handwritten texts, often combined with text recognition. In the challenging ICDAR 2015 competition, which presented handwritten text, difficult fonts, paper decay artifacts, and more, PLANET AI's technology effectively demonstrated its ability to search within metadata ("PerceptionMatrix") and secured a first-place victory by a considerable margin.

TECHNOLOGY BRIEF

Ground-Breaking Handwriting Recognition

At ICDAR 2015, PLANET AI employed cutting-edge deep neural networks in combination with its patented regular expression decoding technology, achieving a groundbreaking triumph in the Handwritten Text Recognition competition. The sample pages varied in writer and neatness, posing difficulties even for experts to read.

More awards

Three won competitions at ICDAR 2017
(Information Extraction and Layout Analysis of Historical Documents)

Two first places at ICFHR 2014
(Handwritten Text Recognition and Word Recognition from Historical Documents)

Competitions glossary: What is …

… International Conference on Document Analysis and Recognition (ICDAR)?
The "Document Analysis Worlds" – most important venue for academia and industry.

… International Conference on Frontiers of Handwriting Recognition (ICFHR)?
The flagship conference for handwriting recognition research and applications.