

Turn your paper archive into a searchable knowledge base

OVERVIEW:

DIGEST turns technical paper databases into searchable, conversational knowledge bases using AI. Researchers ask questions in plain language and get pointed to the right papers without rigid filters or keyword guessing. Delivered by MMEC as a turnkey service, built on CONNECT's proven AI infrastructure.

For conferences, professional societies, standards bodies, research organizations, and any group with a technical paper database they want to make discoverable.

FEATURES:

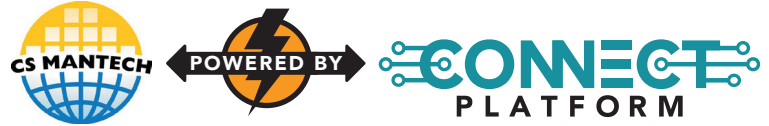
- AI-powered natural language search across full paper content (including figures, plots, and graphics)
- PDF download with branded watermarking
- Usage analytics and search pattern reporting
- SEO-friendly architecture so papers are discoverable
- Upload new papers anytime that are automatically incorporated into database and immediately searchable

EXAMPLE QUESTIONS CONNECT ANSWERS:

"What process improvements for InP HBTs were presented between 2018 and 2023?"

"I'm new to heterogeneous integration. What are the foundational papers I should read?"

"Who has published on thermal management solutions for high-power devices?"



SEE IT IN ACTION:

csm.mmeconsortium.org

CS ManTech's full paper database, spanning 30+ years of compound semiconductor research, is now searchable through DIGEST. Attendees can ask questions in plain English and find relevant papers in seconds. This is the first DIGEST deployment, built on MMEC's CONNECT platform.

WHY DIGEST?

Make Your Investment Pay Forward

You've spent years building a paper database. If nobody can find what's in it, that investment is wasted. DIGEST turns a cost center into an asset your community uses.

Drive Discovery and Engagement

When published work is easy to find and cite, your community engages more deeply with your content. A modern search experience keeps your paper database relevant and your organization visible.

Turnkey AI Search, Zero Infrastructure

DIGEST runs on MMEC's proven AI infrastructure, the same platform behind CONNECT, used by 500+ organizations. You get a production search experience without building or maintaining your own AI stack.

Commitment to Building Microelectronics Ecosystem

DIGEST is built by MMEC, a Hub stood up under the Microelectronics Commons as part of the CHIPS Act, committed to fostering collaboration and enabling innovation

HOW DIGEST WORKS

