



**FOR IMMEDIATE RELEASE  
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**AISI PUBLISHES THREE NEW COLD-FORMED STEEL RESEARCH REPORTS**

WASHINGTON, D.C. – The American Iron and Steel Institute (AISI) has published three new cold-formed steel research reports: 1) “AISI RP21-1: Development of Design Tables for the Cold-Formed Steel Cross-Sections in AISI D100,” 2) “AISI RP21-2: Development of CUFSM Hole Module and Design Tables for the Cold-Formed Steel Cross-Sections with Typical Web Holes in AISI D100,” and 3) “AISI RP21-3: Tutorials for MASTAN2 and Related Validation.” All three research reports are available for free download at <https://www.cfsei.org/research-reports>.

“AISI RP21-1: Development of Design Tables for the Cold-Formed Steel Cross-Sections in AISI D100” provides the local and distortional buckling strengths for the cross-sections included in “AISI D100, Cold-Formed Steel Design Manual.” An Excel spreadsheet containing the buckling strengths of typical C- and Z-Sections can be downloaded via the link provided in the report. The research was conducted by Damir Akchurin and Zhanjie Li at the SUNY Polytechnic Institute in Utica, New York.

“AISI RP21-2: Development of CUFSM Hole Module and Design Tables for the Cold-Formed Steel Cross-Sections with Typical Web Holes in AISI D100” summarizes the effort to develop a simple hole module to perform elastic buckling analysis to obtain the design parameters needed for the Design Strength Method (DSM) considering the influence of holes. A software, which calculates the elastic buckling loads, can be downloaded via the link provided in the report. This research was also conducted by Damir Akchurin and Zhanjie Li at the SUNY Polytechnic Institute in Utica, New York.

“AISI RP21-3: Tutorials for MASTAN2 and Related Validation” is a presentation providing tutorials to help engineers correctly model and analyze structural systems comprised of

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non-doubly symmetric sections using the latest version of [MASTAN2](#). The report provides the following tutorial examples: Frame, Pour Stop Beam and Steel Joist. The presenters include Edward J. Sippel, Hannah B. Blum, Ronald D. Ziemian, Joe Pote and Scott Morton from the University of Wisconsin-Madison.

“This research enables us to advance cold-formed steel design and guides us on next steps to take in standards development and technology transfer,” said Jay Larson, P.E., F.ASCE, managing director of AISI’s Construction Technical Program. “We appreciate the work of all the researchers involved and the review by members of the AISI Committee on Specifications for the Design of Cold-Formed Steel Structural Members.”

*AISI serves as the voice of the North American steel industry in the public policy arena and advances the case for steel in the marketplace as the preferred material of choice. AISI also plays a lead role in the development and application of new steels and steelmaking technology. AISI’s membership is comprised of integrated and electric furnace steelmakers, and associate members who are suppliers to or customers of the steel industry. For more news about steel and its applications, view AISI’s website at [www.steel.org](http://www.steel.org) or [www.buildusingsteel.org](http://www.buildusingsteel.org). Follow AISI on [Facebook](#) or Twitter ([@AISISSteel](#)), ([@BuildUsingSteel](#)).*

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