

Teaching and Prototype Track

Call for Papers

The [Association for Information Systems' Special Interest Group on Decision Support and Analytics](#) (SIGDSA) is seeking submissions related to teaching decision support and data analytics concepts, tools, and technologies.

SIGDSA provides a forum for facilitating constructive discussions for researchers, instructors, and practitioners who are engaged in exploring topics and issues in AI, Business Analytics, and Data Science. The pre-ICIS SIGDSA 2024 Symposium theme is *“Emerging AI Platforms for Societal Good.”*

This theme reflects the increased emphasis on understanding the impact of emerging digital platforms, such as Generative AI, on community structures, social dynamics, innovation strategies, global trends, and governance reform.

As organizations strive to foster innovation through the digitization of processes, the digitization efforts, as well as the ability to harness insights and value from the tremendous data being generated, present new challenges and opportunities. The explosive growth in big data, fueled by the ubiquity of the Internet of Things (IoT), social media, and technology-facilitated human networks accentuates these opportunities and challenges. The emergence of generative AI tools like ChatGPT and large language models (LLMs) brings transformative potential but also new pedagogical challenges and opportunities. Educators need to dynamically respond to industry needs, developing/updating curricula and teaching practices to prepare the next-generation thinkers and workforce by empowering them with skills and concepts related to decision support and analytics.

Aligned with the Symposium theme of ***Emerging AI Platforms for Societal Good***, we seek submissions focused on teaching. Submissions should address education, pedagogy, curriculum design & implementation, outcomes assessment, distance education challenges, capstone learning projects, technology selection & impact, as it relates to teaching business intelligence, big data analytics, cognitive analytics, social media analytics, machine learning, IoT analytics, data science, visualization, generative AI or other emerging analytic technologies.

We also seek prototype demonstrations or design research idea papers showcasing/discussing innovative analytics methodologies and applications.

Opportunity to publish at the *Journal of Information Systems Education (JISE)* and *Decision Sciences Journal of Innovative Education (DSJIE)*

Selected high-quality full papers from the Teaching and Prototype Track may have an **opportunity to be fast-tracked** for publication in the [Decision Sciences Journal of Innovative](#)

[Education \(DSJIE\)](#). DSJIE accepts 3 categories of papers - Teaching Briefs, Conceptual/Theoretical Articles, and Empirical Research Articles related to teaching.

Submission Categories: Teaching and Prototype Track

Teaching sub-track

Contributions can be varied, including teaching cases, tutorials, curriculum innovations, pedagogical studies, or infrastructure for teaching analytics. Topics may include but are not limited to:

- Newly developed Business Analytics (BA) programs, curriculum, and assessment methods
- Bodies of Knowledge (BOK) for Business Intelligence, Analytics, Machine Learning, and Data Science
- Developing an interdisciplinary focus on teaching analytics courses with an emphasis on digital platforms and their impact on emerging societies.
- Differentiating business analytics curricula for Undergraduate, MBA, Master of Science, and Executive Education, and tailoring curricula to generalists and specialists
- Integration of IT and analytics skills
- Pedagogical innovations in business analytics
- Innovative pedagogical approaches to teaching ethics in business analytics design, development, and implementation
- Innovations in the delivery of analytics courses (online, hybrid, student interaction, etc.)
- Challenges and solutions related to the construction and maintenance of classrooms and labs in support of business analytics education
- Organizational case studies (preferably with teaching notes) that provide rich stories of their management and analytics initiatives and address a variety of issues in management sponsorship, strategic priorities, adoption and implementation of analytics, technical challenges, collaboration, communication, and actionable results in business analytics
- Tutorial exercises and simulations that provide a business scenario, data sets, and step-by-step introduction to the latest business analytics tools
- Data sets that can be used by other faculty members to augment their pedagogy
- Integrating generative AI tools in the classroom to enhance learning and engagement while addressing ethical considerations and biases.
- Developing assessment methods that effectively measure student understanding and use of AI tools without encouraging over-reliance on technology.

Submissions for the teaching sub-track must not exceed **ten (10)** single-spaced pages and must conform to the paper submission template. The page limit covers everything in the submission, including title, text, tables, figures, appendices, and references. Submissions that exceed this limit will be automatically rejected. Based on the type of submission (e.g., teaching case, tutorial, etc.), the correct submission type should be mentioned in the submission.

Prototype Sub-track

This sub-track showcases innovative methodological developments or applications of artificial intelligence, machine learning, deep learning, reinforcement learning, text mining, or other data analytics/decision support techniques. Prototypes should highlight aspects such as novelty, architecture, functioning, and ongoing/future work. This high-visibility category is different from the research paper presentation category and provides an opportunity to display a working artifact to an audience in an interactive manner. Prototype demonstrations will involve a **poster display** (printed or electronic) and a **live demonstration** of a prototype to the attendees.

The prototype submission must be **five to seven (5-7)** single-spaced pages and must conform to the paper submission template. The page limit covers everything in the submission, including title, text, tables, figures, appendices, and references. In addition to the Title, Abstract, and Keywords, a prototype proposal should contain only one or two sections describing the prototype or core research idea to be showcased, highlighting the key features and novelty. The submission type should be mentioned in the submission as *Prototype Demonstration*.

Important Dates

- Aug 5, 2024 (Mon): Manuscript submissions open
 - Sep 16, 2024 (Mon): Manuscript submission deadline (11:59 pm EDT)
 - Oct 21, 2024 (Mon): Acceptance decisions communicated to authors on a rolling basis, but no later than Oct 21, 2024
 - Nov 11, 2024 (Mon): Regular registration deadline; at least one author must be registered for the Symposium
 - Nov 11, 2024 (Mon): Camera-ready submissions due
 - Dec 14-15, 2024 (Sat/Sun): 2023 Pre-ICIS SIGDSA Symposium
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- Submission guidelines, template, and submission instructions are available at <https://preicis.sigdsa.org/Guideline.html>.
 - Publication opportunities and awards are given at <https://preicis.sigdsa.org/Awards.html>.

Teaching and Prototype Track Co-Chairs

For questions regarding the submissions to the teaching and prototype track, please contact:

- Amir Zadeh, amir.zadeh@wright.edu, Wright State University, USA
- Pankush Kalgotra, pzk0031@auburn.edu, Auburn University, USA

We recommend including the 'Pre-ICIS SIGDSA 2024 Teaching & Prototype Track Question' as your email subject line.