

11th International Conference Diagrams 2020: Unleashing the Power of Visual Representation

The 11th International Conference Diagrams 2020, scheduled to take place in Tallinn, Estonia from August 24-28, 2020, is set to be a gathering of creative minds from various fields. With a focus on visual representation and its power in communication and problem-solving, this event promises to unlock new potentials and insights into the world of diagrams.

The conference aims to explore the diverse applications of diagrams across disciplines such as computer science, mathematics, philosophy, psychology, art, and beyond. By bringing together professionals, researchers, practitioners, and enthusiasts, Diagrams 2020 seeks to foster interdisciplinary discussions and collaborations that can propel advancements and innovations in our ever-evolving visual world.

The Power of Visual Representation

For centuries, humans have been using visual representation in various forms to communicate and understand complex ideas. Diagrams, in particular, have proven to be a powerful tool for conveying information, organizing thoughts, and solving problems. Whether it's a flowchart, a Venn diagram, a mind map, or a network analysis diagram, these visual aids have the capacity to simplify complicated concepts and make them more accessible to a wide range of audiences.

**Diagrammatic Representation and Inference: 11th
International Conference, Diagrams 2020, Tallinn,**



Estonia, August 24–28, 2020, Proceedings (Lecture Notes in Computer Science Book 12169)

by Christoffer Petersen (1st ed. 2020 Edition, Kindle Edition)

★★★★☆ 4.6 out of 5

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Screen Reader	: Supported
Enhanced typesetting	: Enabled
Print length	: 850 pages
Paperback	: 24 pages
Item Weight	: 3.68 ounces
Dimensions	: 8 x 0.06 x 10 inches



Research has shown that the human brain processes visual information much faster and more effectively than text alone. By leveraging the power of diagrams, we can enhance our ability to grasp complex ideas, make connections between disparate concepts, and identify patterns or trends that may not be readily apparent in textual form.

Unleashing Innovation through Collaboration

One of the key goals of Diagrams 2020 is to encourage collaboration between different disciplines. By facilitating an environment where experts from various fields can come together, share their insights, and learn from one another, this conference aims to foster innovation and push the boundaries of what is possible in visual representation.

Participants will have the opportunity to attend a wide range of presentations, workshops, and discussions led by renowned experts in the field. These sessions

will delve into topics such as the cognitive science of diagrams, diagrammatic knowledge representation, diagram aesthetics, diagram tool development, and many others. Through these interactions, attendees will gain a deeper understanding of the current state of diagrammatic research and explore new avenues for application.

Highlights of Diagrams 2020

The conference will feature an exciting lineup of keynote speakers who are pioneers in using diagrams to advance their respective fields. These thought leaders will share their insights and experiences, providing attendees with inspiration and food for thought. Conference participants will have the opportunity to engage in Q&A sessions and delve deeper into the minds of these visionaries.

In addition to the keynote presentations, Diagrams 2020 will include interactive workshops and paper sessions where researchers can present their latest findings and receive feedback from fellow experts. This collaborative atmosphere aims to promote ongoing discussions and exchange of ideas, ultimately driving the field of diagrammatic research forward.

Tallinn: A Perfect Venue for Diagrams 2020

Tallinn, the capital city of Estonia, is renowned for its picturesque old town, vibrant culture, and world-class conference facilities. As a hub of innovation and creativity, Tallinn provides the ideal backdrop for Diagrams 2020. Attendees will have the opportunity to explore the city's rich heritage, enjoy its culinary delights, and network with like-minded individuals from around the globe.

Furthermore, Tallinn's commitment to cutting-edge technology and digital innovation makes it the perfect location for a conference that celebrates visual representation. The city's forward-thinking atmosphere aligns perfectly with the

spirit of Diagrams 2020, providing a platform for attendees to explore the future possibilities of visual communication.

Join Diagrams 2020 and Shape the Future

If you are passionate about the power of visual representation, the 11th International Conference Diagrams 2020 is an event you won't want to miss. By bringing together a diverse range of disciplines, this conference aims to create a space where visual thinkers can connect, collaborate, and shape the future of diagrammatic research and application.

Whether you are a researcher, practitioner, educator, or simply someone who appreciates the impact of diagrams in our daily lives, Diagrams 2020 offers a unique opportunity to gain insights, share knowledge, and explore the uncharted territories of visual representation. Get ready to unleash the power of diagrams and be part of an immersive experience that will leave you inspired and ready to revolutionize the way we communicate.



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This book constitutes the refereed proceedings of the 11th International Conference on the Theory and Application of Diagrams, Diagrams 2020, held in Tallinn, Estonia, in August 2020.*

The 20 full papers and 16 short papers presented together with 18 posters were carefully reviewed and selected from 82 submissions. The papers are organized in the following topical sections: diagrams in mathematics; diagram design, principles, and classification; reasoning with diagrams; Euler and Venn diagrams; empirical studies and cognition; logic and diagrams; and posters.

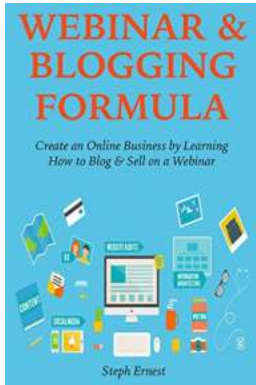
*The conference was held virtually due to the COVID-19 pandemic.

The chapters ‘Modality and Uncertainty in Data Visualization: A Corpus Approach to the Use of Connecting Lines,’ ‘On Effects of Changing Multi-Attribute Table Design on Decision Making: An Eye Tracking Study,’ ‘Truth Graph: A Novel Method for Minimizing Boolean Algebra Expressions by Using Graphs,’ ‘The DNA Framework of Visualization’ and ‘Visualizing Curricula’ are available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.



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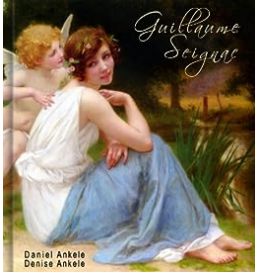
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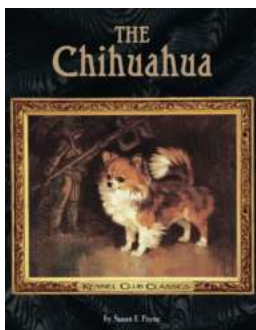
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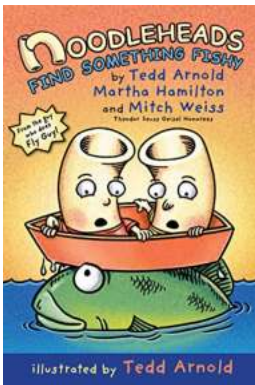
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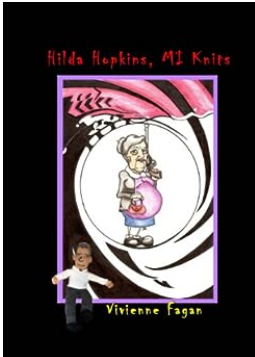
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