Unlocking the Future of Cognitive Science: A Glimpse into the 13th Biennial Conference KogWis 2016 in Bremen, Germany

September 26-30, 2016 marked a momentous occasion in the world of cognitive science. Scholars, researchers, and enthusiasts from across the globe gathered in the beautiful city of Bremen, Germany for the highly anticipated 13th Biennial Conference KogWis 2016. This conference proved to be a transformative event, providing valuable insights into the latest advancements in the field and paving the way for the future of cognitive science.

The Birth of Cognitive Science

Cognitive science, a multidisciplinary field that explores the nature of the human mind and its processes, has been gaining significant traction over the past few decades. Traditional disciplines, such as psychology, linguistics, neuroscience, computer science, and philosophy, have converged to form a comprehensive understanding of how our minds function.

Recognizing the need to bring experts from various branches of cognitive science together, the KogWis conference was conceived. Since its inception in 1993, this biennial event has served as a catalyst for groundbreaking research and fruitful collaborations.

Spatial Cognition X: 13th Biennial Conference, KogWis 2016, Bremen, Germany, September 26–30, 2016, and 10th International Conference, Spatial Cognition ... Notes in Computer Science Book 10523) by Pedro Silva(1st ed. 2017 Edition, Kindle Edition)

5 out of 5

Language	: English
File size	: 4968 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Print length	: 307 pages

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A Platform for Knowledge Exchange

This year's KogWis conference in Bremen proved to be a true reflection of the immense growth and innovation within the field. With over 3000 attendees, the event acted as a platform for researchers to present their latest findings, exchange ideas, and engage in thought-provoking discussions.

The conference featured a diverse range of topics, including cognitive psychology, computational models of cognition, language processing, artificial intelligence, and much more. Through keynotes, workshops, and paper presentations, attendees were exposed to cutting-edge research and novel approaches in tackling complex cognitive problems.

Keynote Highlights

Renowned experts graced the stage as keynote speakers, captivating the audience with their groundbreaking work and visionary ideas. Among the highlights was Professor Patricia Kuhl, a leading figure in the field of early language development and the impact of bilingualism on cognitive processes.

Professor Kuhl's keynote presentation explored the fascinating concept of language acquisition and how it shapes our cognitive abilities. Her research demonstrated the incredible plasticity of the human brain, highlighting how early exposure to different languages can rewire cognitive processes and enhance overall cognitive performance.

Another captivating keynote was delivered by Professor Joshua Tenenbaum, whose work focuses on computational models of human learning and inference. He discussed the power of mental models and how they play a crucial role in our understanding of the world.

Professor Tenenbaum's presentation illuminated the intersection of cognitive science and artificial intelligence, showcasing how computational models can simulate human-like cognitive processes and revolutionize fields such as robotics and machine learning.

Interactive Workshops

One of the most engaging aspects of KogWis 2016 was the series of interactive workshops. These sessions provided attendees with hands-on experiences and practical knowledge that they could implement in their own research and academic pursuits.

Workshops covered a wide range of topics, such as neuroimaging techniques, statistical methods in cognitive science, cognitive modeling with machine learning, and embodied cognition. Participants had the opportunity to work closely with experts in these fields, gaining invaluable insights and refining their own methodologies.

Poster Presentations and Collaborations

In addition to the main conference program, KogWis 2016 featured an extensive poster session. Researchers and students showcased their work through visually compelling posters, allowing for in-depth discussions and potential collaborations.

The poster session fostered a vibrant exchange of ideas, with attendees exploring novel research directions, providing constructive feedback, and forging connections with like-minded professionals. This collaborative environment was instrumental in fostering innovation and setting the stage for future breakthroughs.

The 13th Biennial Conference KogWis 2016 in Bremen, Germany was an extraordinary event that brought together the brightest minds in cognitive science. The conference provided a glimpse into the future of the field, showcasing the incredible progress made in understanding the complexities of the human mind.

Through keynote presentations, interactive workshops, and collaborative poster sessions, attendees were exposed to cutting-edge research and immersed in thought-provoking discussions. The conference undoubtedly acted as a catalyst for innovation and set the stage for groundbreaking advancements in cognitive science.

KogWis 2016 will forever be etched in the annals of cognitive science as a transformative event that unlocked new possibilities for understanding the mind and shaping the future of our field.

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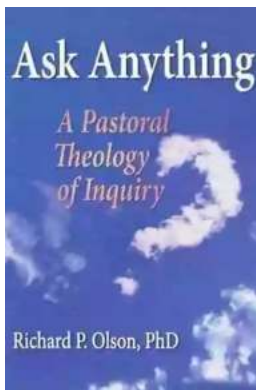
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This book constitutes the thoroughly refereed proceedings of the 13th Biennial Conference, KogWis 2016, held in Bremen, Germany, in September 2016, and the 10th International Conference, Spatial Cognition 2016, held in Philadelphia, PA, USA, in August 2016.

The 11 revised full papers presented in this book were carefully selected and reviewed from 20 submissions. They focus on the following topics: spatial ability; wayfinding and navigation; spatial memory; and systems and simulations.

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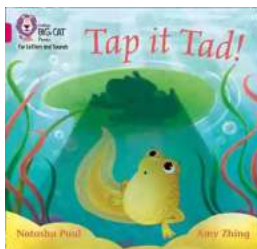
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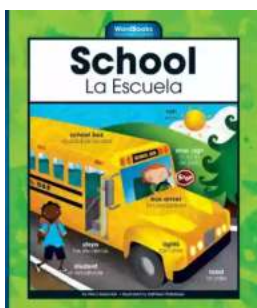
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