1. Record Nr. UNINA9910510505703321

Titolo	ACM SIGGRAPH 2009 Computer Animation Festival / / Miles Perkins, editor
Pubbl/distr/stampa	New York : , : Association for Computing Machinery, , [2009] ©2009
Descrizione fisica	1 online resource (159 pages)
Collana	ACM Conferences
Disciplina	006.696
Soggetti	Computer animation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Animation is an essential medium for communicating ideas. It is unique in the way that it can convey the very essence of story and emotion. It allows audiences to detach from the confines of reality, accept the animated world, and absorb the fundamental message. Even a simple animated shape can convey distinctive ideas and emotions that an audience can completely relate to down to an instinctual level. Throughout history, there has been a place for animated stories, from the sequential cave drawings of our ancestors to the early Chinese zoetrope. Regardless of the culture or geographical location, humans have a need for animation to help communicate certain ideas. As technology advanced and opened new avenues for animating, we also found new uses for this incredible medium. Today animation takes many different forms, from line drawings to 3D animation, from scientific visualization to visual music, from cartoons to photorealistic digital characters. Because animation can convey sophisticated ideas in very simple ways, early-learning classrooms are even integrating basic animation tools into their curriculum, recognizing it as a valuable medium for visual learners. As the tools become increasingly available and easy to use, animation is more and more becoming a part of our daily lives. This year's Computer Animation Festival reflects both the accessibility and capabilities of animation. It brings together a rich

	variety of work from many different disciplines and all walks of life. As you settle into your seats to watch these fantastic submissions take a moment to think about the history of animation. Reflect on how fortunate we are to witness to this revolution and the social responsibility that comes with being the purveyors of the art form. Then, sit back and enjoy the ride!

2.

Record Nr.	UNINA9910986133703321
Autore	Poloju Kiran Kumar
Titolo	Geopolymer Concrete : Principles, Characteristics, Testing, and Applications / / by Kiran Kumar Poloju, Kota Srinivasu
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2025
ISBN	9789819624799
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (133 pages)
Collana	SpringerBriefs in Applied Sciences and Technology, , 2191-5318
Altri autori (Persone)	SrinivasuKota
Disciplina	691.3
Soggetti	Concrete Polymers Materials - Analysis Building materials Materials Characterization Technique Building Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction to Geopolymer Concrete -- Fundamentals of Geopolymer Concrete -- Applications of Geopolymer Concrete -- Production of Geopolymer Concrete -- Characteristics of Geopolymer Concrete -- Testing and Evaluation of Geopolymer Concrete -- Illustration -- Case Studies of Geopolymer Concrete -- Future Directions of Geopolymer Concrete -- Conclusion.
Sommario/riassunto	This book discusses geopolymer concrete, an innovative and sustainable alternative to traditional Portland cement concrete. Geopolymer concrete is synthesized through the chemical reaction between industrial byproducts, such as fly ash or blast furnace slag,

and alkaline activators. It offers environmental sustainability by utilizing industrial waste materials as its main components, reducing carbon footprint and resource depletion. The production process of geopolymer concrete further contributes to its eco-friendly profile as it can be cured at ambient temperatures or with minimal heat input, significantly lowering energy consumption and greenhouse gas emissions. The chemistry of geopolymer involves the dissolution of aluminosilicate materials in a highly alkaline environment, followed by the condensation and reorganization of silica and alumina species to form a three-dimensional network structure. The research on geopolymer concrete is important for several reasons. First, it provides a sustainable alternative to traditional Portland cement concrete, which has significant environmental impacts due to its high carbon dioxide emissions, resource depletion, and energy consumption. Second, geopolymer concrete offers enhanced durability and resistance to chemical attacks, making it a suitable material for various construction applications. Lastly, the use of industrial byproducts in geopolymer concrete production reduces waste and conserves natural resources, promoting circular economy principles in the construction industry. .