

2nd International Conference on **Computer Graphics & Animation**

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Teaching computer graphics by application

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The computer graphics class at St. Mary's University focuses on the application of computer graphics while learning graphics terms, some theory of how graphics tools work, and common graphics creation tools similar to Microsoft Paint, Adobe Photoshop, Adobe Flash, and Adobe Dreamweaver. Students are required to create a brand for themselves, a group, a company or an organization that they select. Inside of that brand, students create logos, a brochure, a business card, business stationary, an animation file, and a website. The website incorporates all the work that did during the rest of the class. Students learn the theory behind the graphics tools and learn how to use various tools to create the visual images to communicate a brand that they are interested in. This presentation will cover how the course is taught in a hybrid format utilizing the Blackboard learning management system. Sample projects that students created will be shown as well.

Biography

Carol Luckhardt Redfield, PhD is Graduate Program Director for Computer Science and Computer Information Systems and a Professor of Computer Science at St. Mary's University. She started at St. Mary's in 1998 after being in the computer industry for over 15 years. She specializes in computer gaming, computer-based training systems, and expert systems. She has a PhD from the University of Michigan in Computer Science and Engineering. Her thesis work was in multiplayer gaming and artificial intelligence. She has a Master's degree in Mathematics and another in Control Engineering. Her Bachelor's degree is in Education with double majors in Mathematics and Psychology. She has worked for Bell Labs, IBM, LLNL, Southwest Research Institute, UTSA, and Mei Technology. She has done consulting work for WebStudy and Landmark Education. She has published 4 books and well over 50 reviewed and invited papers. She has been an invited speaker for Star Trek conventions, chaired conferences, founded a charter school, led seminars for Landmark Education, and was inducted into the San Antonio Women's Hall of Fame. She serves on committees for the National Space Society, San Antonio Space Society, John Jay Science and Engineering Academy, and Friends Meeting of San Antonio (Quakers).

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