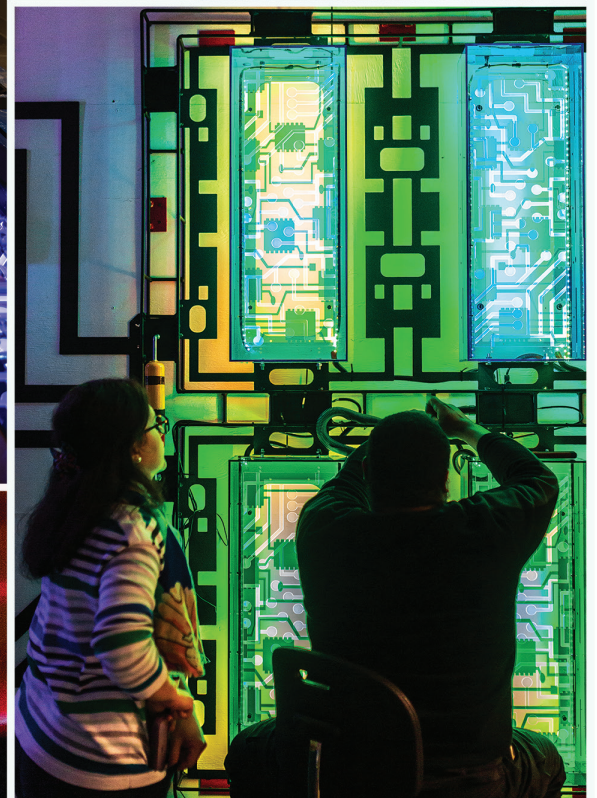
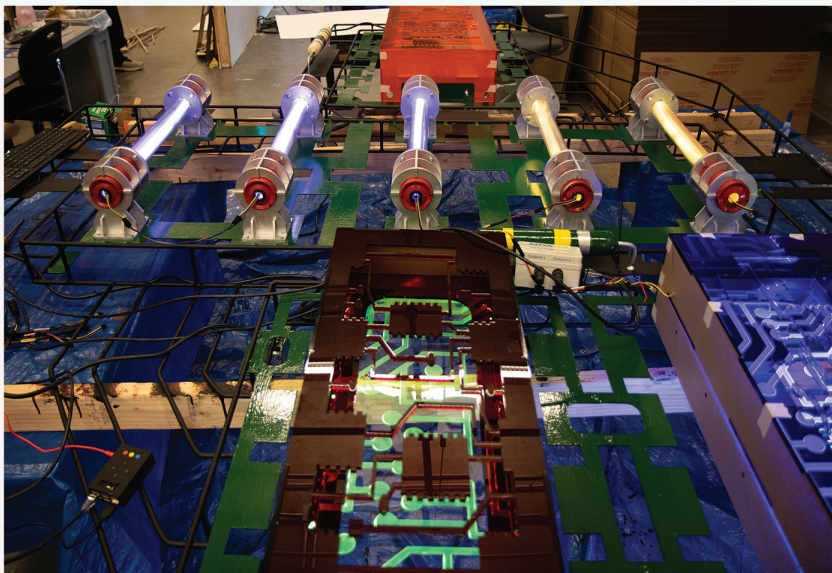


# MOTHERBOARD



EISEMANN EDGE INITIATIVE 2020

**ATC**  
SCHOOL OF ARTS, TECHNOLOGY,  
AND EMERGING COMMUNICATION



**R**  
RICHARDSON  
TEXAS





UT Dallas professors and students alike have teamed up to create this interactive, 3D circuit sculpture. As a part of the Eisemann Edge initiative, the Light Squad looks forward to future collaborative projects.

# Welcome & Program

Friday, March 6, 2020

7:00 pm - Reception  
Leftwich Grand Foyer

8:00 pm – Remarks  
Forest & Virginia Green Mezzanine Gallery

Bruce MacPherson

Managing Director, Charles W. Eisemann Center

Charles W. (Chuck) Eisemann

Paul Voelker

Mayor, City of Richardson, Texas

Anne Balsamo

Dean of School of Arts, Technology & Emerging Communications, University of Texas at Dallas

Andrew F. Scott

Associate Professor School of Arts, Technology & Emerging Communications,  
University of Texas at Dallas

Unveiling of  
*MotherBoard*

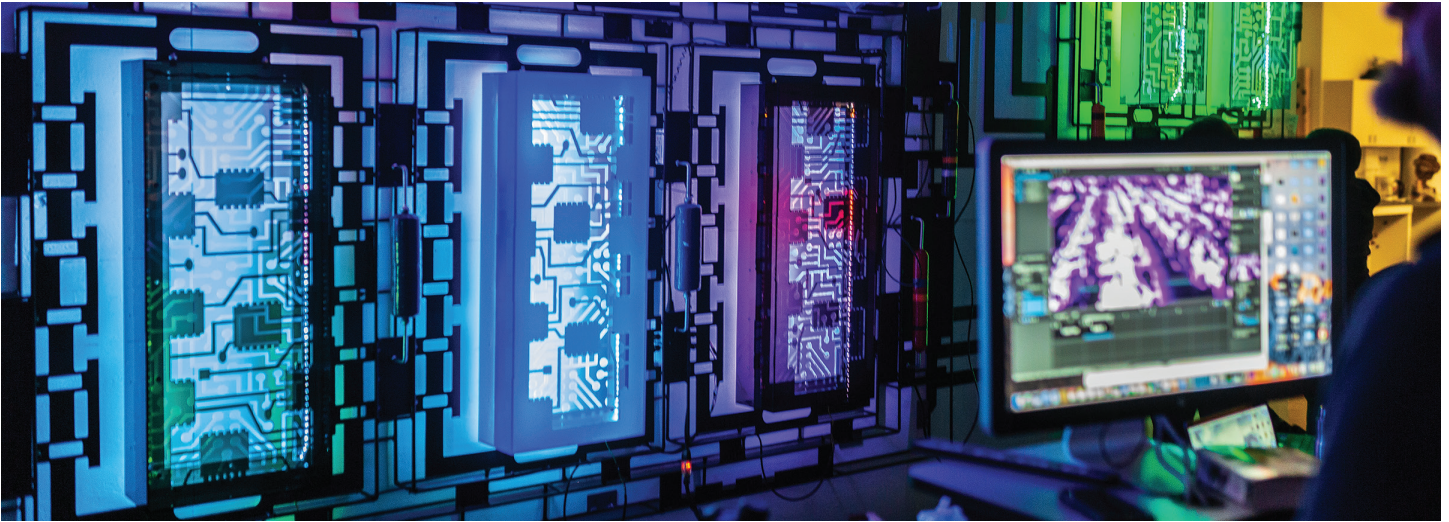
The *MotherBoard* exhibit can be viewed in the  
Forrest & Virginia Green Mezzanine Gallery March 7-29, 2020.

Special viewings on Saturdays from 3/7-3/28

10:30 am - 12:00 pm (noon)

Eisemann Center and ATEC representatives will be on hand for questions.

# MotherBoard Artists Statement



*MotherBoard* is a modular sculptural installation that celebrates the vibrancy of the City of Richardson's history, accomplishments, and technological contributions to the world.

*MotherBoard* was commissioned by the Eisemann Center. The inspiration for the project highlights the long relationship of the city of Richardson with Technology. The exhibit "displays the vibrancy of Richardson's history, accomplishments and the technology contributions it has made to the world."

A 'motherboard' is the essential core of a computer system. It holds together many of the crucial components of a computer, including the central processing unit (CPU), memory and connections for input and output. The theme of "MotherBoard" is grounded in the form of the printed circuit board.

This engaging installation will activate the Green Mezzanine Gallery at the Eisemann Center in Richardson, TX in March of 2020. Major design elements include a series of sculptural components that connect LED lighting, projection, sound, and sculptural elements.

Students from the UT Dallas' ATEC 3D Studio, led by Professors Andrew Scott, Roxanne Minnish, and Matthew Unkenholz, were involved in the development of this project through the studio process.

The overall narrative structure of the composition utilizes a triptych past, present, future framework. While the printed circuit board provides the form of the work, the elements are a sculptural interpretation of the same with technologies incorporated into them.

A rich canvas of Technologies, Materials and artistic Processes used in *MotherBoard* include:

- Technologies - LED lighting, audio components, projectors, cameras, video, and motion sensors.
- Materials - steel, plexiglass, wood, and plastic tubing
- Processes - welding, laser cutting, CNC milling, and multi-media sculpture



# Ann & Charles Eisemann

## Eisemann Edge Endowment

The City of Richardson and the Charles W. Eisemann Center for the Performing Arts and Corporate Presentations formed a collaboration with The School of Arts, Technology, and Emerging Communication (ATEC) at the University of Texas at Dallas (UT Dallas) to create a first-of-a-kind, innovative program called the Eisemann Edge Endowment Fund, which will give Richardson residents, local students and the North Texas community an opportunity to explore the intersection of technology with the visual and performing arts. The Eisemann Edge Endowment Fund was started by a generous \$250,000 donation from longtime community benefactors and civic leaders Ann and Charles Eisemann, whose efforts have already had far-reaching impacts in Richardson and across the North Texas region. They hope the opening of the Fund will promote future giving to stimulate further growth of tech-based arts in the region.

“We believe this program uniquely embodies Richardson’s pioneering embrace of technology, and how it can be used not only in the business world and everyday life, but also to enrich our arts and cultural experiences,” said Richardson Mayor Paul Voelker. “What we also love about this program is that it will showcase the creative talents of UT Dallas’ Arts, Technology, and Emerging Communication students, while also providing educational outreach opportunities for Richardson students and inspiring generations of artists to come.”

“We very much like the goal of continuing to progress and lead the arts toward new and innovative discoveries as technology reshapes our senses, perceptions and reality,” said Ann and Charles Eisemann. “We think this will help grow new artistic leadership and create something new that will last into the future and help the arts innovate over time.”

Eisemann Edge Endowment Fund will be a multi-year, interactive arts experience that will be profoundly shaped by UT Dallas students. This initiative builds on a strong partnership between the Eisemann Center and UT Dallas to provide opportunities for students to learn about different artistic offerings. The program will incorporate several artistic genres in different venues of the Eisemann Center. Ultimately, it will leverage a wide array of creative abilities and technological platforms that will engage new audiences, enabling them to explore the arts and build on the Richardson community’s distinctive high-tech heritage. To donate to this special initiative and advance its impact on the community, contact the Eisemann Center Development office at 972.744.4612 or 972.744.4613.



## *MotherBoard* Project Leaders



**ANDREW F. SCOTT** is an Associate Professor of Art and Technology at the University of Texas at Dallas. He was born in Brooklyn, New York. Holding a B.F.A. from Long Island University, Southampton and an M.F.A. from Ohio State University, he has also studied at its Advanced Computing Center for the Arts and Design (ACCAD). He currently works and resides in Dallas, Texas. Artist and professor, Andrew Scott works at the intersection of digital fabrication technologies, traditional fine arts practices, and collective cultural ideals. Utilizing laser cutters, CNC mills, 3D printers and scanning technologies, he fabricates sculptures, creates installations and immersive visual experiences by using projection mapping to bring static objects to life. His creative practice spans more than three decades. Working in diverse scales, materials, and digital platforms, he has exhibited worldwide in galleries, museums and other venues. He has also created several permanent public art projects and participated in design teams with architects and engineers on major civic projects.



**ROXANNE MINNISH** has experience teaching courses including Design I and II, Sound Design, and Computer Imaging, as well as experience in web development and photography. She was born in Florida. She holds an MFA from UT Dallas' Arts, Technology, and Emerging Communication program. She finds it a privilege to work with talented colleagues, students, and alumni. Everyone has used their knowledge and expertise in different areas such as lighting, video designs, digital fabrication, digital art, photography and even welding. When you put all these talents together, you end up with a magnificent modular sculptural installation. She feels blessed to be part of this wonderful opportunity.



**MATTHEW UNKENHOLZ** is a technical artist working primarily in video projections and LED installations. After earning a degree in Arts, Technology, and Emerging Communication, he began a career in theater as a technical director. Along the way, a software called QLab came along and changed everything. Matthew was able to integrate coding chops with theater arts to develop structures that synced audio, video and lighting together as one, while preserving the magic that is live performance, including Caravan: A Revolution on the Road. He has transitioned into the world of interactive 3D projection mapping onto sculptural objects, which he has utilized for this new installation.

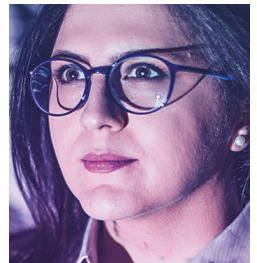


## ATEC LightSquad

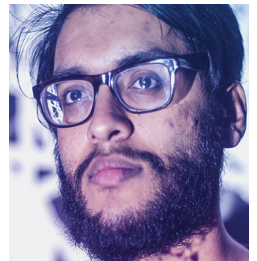
**RAYMOND ALLEN** is originally from Longview, Texas but grew up in Paris, Texas. Raymond graduated from the University of Texas at Dallas in Spring 2019. He feels privileged to have the opportunity to work with his classmates again. Working under two of his most respected professors to help build a project into existence that began as an idea on a document has been rewarding.



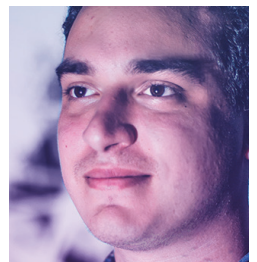
**MAEDEH ASGHARPOUR** is a visual artist, illustrator, and graphic designer. She was born in Iran. She holds a Master of Art in Graphic Design from the University of Tehran. Maedeh moved to Texas in 2018 and is currently an MFA student at the University of Texas at Dallas. This modular sculptural installation with technological aspects challenges her mind to gain more experience in the areas that art meets with technology.



**SAFWAN CHOWDHURY** is a native of Garland, Texas and will graduate in Spring, 2022 from the undergraduate ATEC Design and Production program with a focus in sound, light, and video. He is overjoyed to join a team of talented artists and work to honor the technologically innovative spirit of the city of Richardson.



**OMAR DAVILA** is from San Antonio, Texas. He will graduate in May 2020 pursuing a Bachelor's in Design and Production through the Arts Technology and Emerging Communication program. This project has taught him numerous lessons from the intricate work of art involving electronics, especially concerning LEDs and light programming.

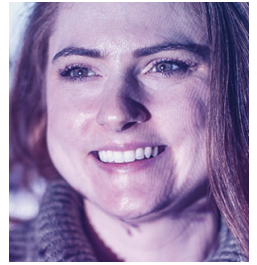


**MELANIE ESTES** is from Lawrenceville, Georgia. She graduated in May 2019 from UT Dallas with a Bachelor's in Arts Technology and Emerging Communication with a focus in Digital Fabrication. Melanie believes this project will show a visual representation of how art and the history of technology are inextricably linked. She hopes *MotherBoard* will show how future developments in technology can aid and inspire human expression to come.



## ATEC LightSquad

**AMANDA GOODWIN** is a lighting designer and programmer. After receiving her MFA from Indiana University in 2013, she moved to Dallas and began working at the University of Texas at Dallas. There, she designs the lighting and assists in video for the premiere venue on campus, the Edith O'Donnell Lecture Hall. Both in 2017 and 2019 she had the opportunity to work with Andrew Scott and Matthew Unkenholz on the Terrance Blanchard and the E-Collective performances. She is thankful to have the opportunity to collaborate on another project, both with talented professionals and students. Creating a work of art with a group of people allows for new perspectives, new techniques, and new ideas, creating something magical beyond what any one of us could dream of.



**PAUL HINDERLITER** is a motion design student from Austin, Texas, set to graduate Spring, 2020. After working with Professor Andrew Scott and the ATEC Light Squad on a multitude of projection mapping projects, MotherBoard represents the culmination of everything he's learned about creative collaboration and the intersection of physical and digital art forms.



**CHARLOTTE MASON** is the Arts, Technology and Emerging Communications Admin Services Officer. She offered administrative support behind this project. By making sure that the artists had all the materials and supplies needed from start to finish, she provided the magic for the creative elements.



**UTTAMASHA MONJOREE** is from Dhaka, Bangladesh and is currently a first-year MFA student in the Arts Technology and Emerging Communication program. For Uttamasha, MotherBoard is an exceptional example of machine aesthetics that showcases the advancements of Richardson and where it will go in the future.



**ALPHONSE MUSE** is an undergraduate student studying design and production in the School of Arts, Technology, and Emerging Communication at The University of Texas at Dallas. During his educational career, he found a love for working in the 3D Studio amongst the LightSquad Team. This project has helped Alphonse develop a better understanding of the City of Richardson and a connection with the university's history.



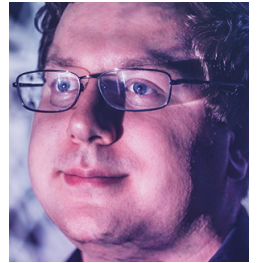


# ATEC LightSquad

**AMIR NAQI** is from Plano, TX. He is an undergraduate ATEC Student with a Computer Science background and plans to graduate in Spring, 2020. His current fields of study are project management, projection mapping, interactive lighting design, AV tech, design, and live production. *MotherBoard* is important to Amir because he enjoys creative thinking, problem-solving, and working with others to create a visionary work at a large scale. The impact of this project has compelled him to start an AV Consulting company called NaqiLux.



**CAMERON OUILLE** grew up in the rural country town of Alvarado, Tx. His major is in Design and Production with a minor in Digital Art. He is a senior who will graduate in the Fall of 2020. Being a part of this project has exposed Cameron to several technologies such as laser cutting and engraving which has inspired him to integrate those mediums in his Capstone Project. Receiving the first-hand experience in these techniques and have let him discover new ways to improve his art and custom miniature gaming business.



**DAVID RAKE** is from Sherman, Texas and a recent graduate from the UT Dallas Arts, Technology, and Emerging Communication program. His graduation capstone project involved building a twelve-foot installation cave that would feature projection mapping. In addition, he has worked on numerous projects with the Light Squad and ATEC 3D Studio. So, he values this project because it is a stepping stone from being a student to being a peer for his fellow students and professors.



**PABLO HAFID REYES** is from Houston Texas and Mexico City. He is a design and production student graduating in May 2020. The *MotherBoard* project is an opportunity for Pablo to explore the history of the city of Richardson and shape the future of emerging generations that combine the art and sciences.

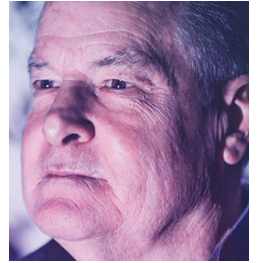


**ANDREW ROWAN** is from Eden, Texas and plans to graduate in Fall 2020 at UT Dallas. After graduation, he plans to continue as a sculptor or find work in product design — two things he has a passion for. Working on the interactive electronics and lighting systems for MotherBoard has been a joy for him. It has helped him to realize his potential as an artist and collaborator in a team.

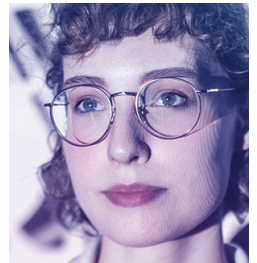


## ATEC LightSquad

**VIC SIMON** is a retired career aviator having flown military fighters and multiple commercial airliners. Over those 40 years while flying, on the side, he paid homage to Lifetime Academic Learning by completing 360 college hours spread over four degrees. His last degree in 2018 was an MFA at the ATEC school of UT Dallas under the tutelage of Professor Andrew Scott. In retirement, he continues to participate and contribute as an 'elder' at ATEC's 3D Studio. For Vic, *MotherBoard* is another project in the continuing, exciting portfolio of art installations created by the students of 3D Studio and Professor Andrew Scott.

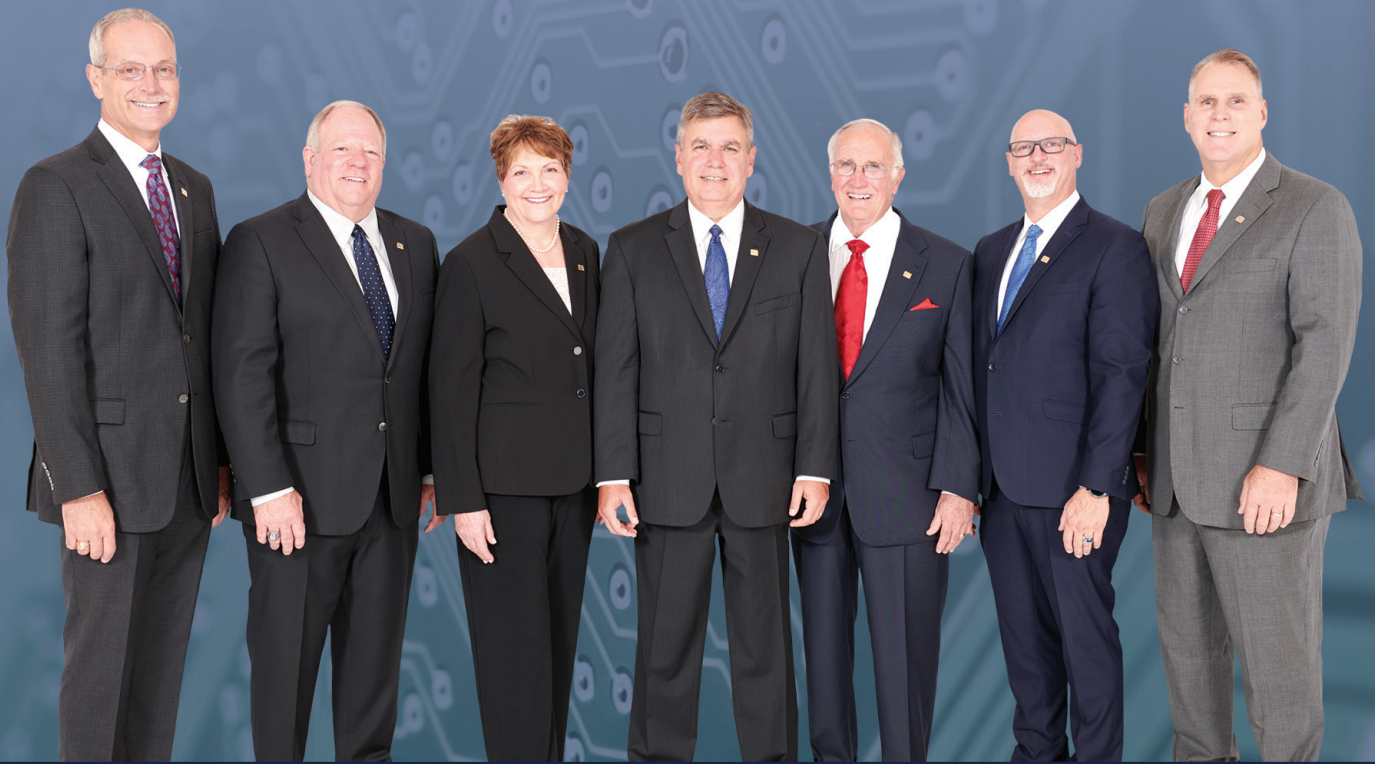


**SARAH WALL** is a Texas native who attended UT Dallas in the Arts, Technology, and Emerging Communication program beginning in 2015. She focused her curriculum on media studies, design, and art including projection mapping with Professor Andrew Scott. Growing up with an intense love for photography, she practiced her craft and was hired as a student photographer for the University of Texas at Dallas in Spring 2016. After graduating, she was hired full-time. She has continued her passion for photography and other mediums including video, design, illustration, and writing used to help support *MotherBoard*.





Thank you Chuck and Ann  
for creating the  
Eisemann Edge Endowment  
to celebrate the technological  
history of our community!



2019-21 Richardson City Council Members  
*from left:* Ken Hutchenrider, Bob Dubey, Mayor Pro Tem Janet DePuy,  
Mayor Paul Voelker, Mark Solomon, Kyle Kepner, and Steve Mitchell.





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