The Teaching & Technology Center (TTC) is here for your Educational Technology needs!

We provide training and support services in your use of technology to enhance teaching and learning in your face-to-face and online courses at Bridgewater State University.

Support, Consultation, and Training Services

For support on Blackboard and other EdTech applications, call 508.531.2634 or email ttc@bridgew.edu 24 hours a day/365 days a year for support on the EdTech services below, or visit the Moakley Center, Room 200 between 8:00 a.m. - 4:00 p.m. Monday through Friday.

Email ttc@bridgew.edu to set up a consultation appointment to learn more about the services we offer.

TTC staff and our Faculty Fellows are also available to discuss technology & pedagogy strategies and other teaching & technology interests.

We’re on Social Media!

Follow us on Facebook, Twitter, YouTube, and Yammer for current EdTech news, innovations, teaching w/technology strategies, and more!
The 2018-19 Fiscal Year was a bit of a transition year for the Teaching & Technology Center as new folks joined our team. Stacey Osborn from Information Technology came aboard as an Instructional Technologist and Arthur Slotnick and Matt DeGrechie from Marketing & Communications joined the team to provide academic video and mixed media production services for our faculty. With this transition, though, there was no slowing down, as we engaged with our faculty on a number of new innovative fronts.

Our FY19 initiatives included explorations into the new IDEA (Interactive Displays for Educational Applications) pilot program, the launch of our new Lightboard service for video lecture capture, further explorations into augmented and virtual reality, and more, and strengthened our mission to improve the teaching and learning experience at BSU through both established and innovative technology adoption practices.

Many thanks to my outstanding team – Arthur, Matt, Stacey, Tim Wenson, Amanda Zuromski for administrative support, our intern Amber Parks, our student worker Kayla DeCosta, our graduate assistants Josh Murphy and Lakshmi Ongolu, our graduating student employees Megan Correia, Andrea Couto, David Larrivee, Emily Schallert, and Curtis St-Jean, and our outgoing faculty fellows Dr. Jeanne Ingle and Sharon Styffe – for all their efforts throughout the FY19 year on behalf of our faculty and students.

We also say farewell to our Chief Information Officer and Vice President, Ray Lefebvre, who took an exciting new opportunity as founding Vice Chancellor and CIO of Information Technology Services at the University of Massachusetts Boston. He was very supportive of the TTC and our faculty through the years, and I am forever grateful for the opportunities he provided me and my team. We welcome Steve Zuromski, the interim CIO, who has also been very supportive of our TTC mission and has expressed his continued support of our work and innovative explorations.

Best wishes to you all this coming academic year,

ERIC V. LEPAGE

Executive Director of the Teaching & Technology Center
The Teaching & Technology Center (TTC), located in the Moakley Center M200 office suite, provides training and support services to faculty in the use of technology to enhance teaching and learning in face-to-face and online courses at Bridgewater State University. The TTC supports BSU’s Blackboard learning management system and provides training and consultation opportunities, both in-person and online, for Blackboard and many other educational technology solutions.
The TTC is staffed by 5 full-time staff, administrative assistant support, 2 faculty fellows, 2 graduate assistants, several student interns, and several student employees:

**Executive Director Eric V. LePage**
(elepage@bridgew.edu; x.3634)
Part-time instructor in Communications Studies and Instructional Technology
BSU undergraduate (‘98) and graduate (‘06) alum
Employed at BSU since 1999

**Director Arthur Slotnick**
(aslotnick@bridgew.edu; x. 6158)
BSU graduate alum (‘85)
Employed at BSU since 1985

**Video Support Specialist Matt DeGrechie**
(mdegrieche@bridgew.edu; x. 2885)
BSU undergraduate alum (‘99)
Employed at BSU since 1999

**Instructional Technologist Stacey Osborn**
(sosborn@bridgew.edu; x. 2942)
BSU graduate alum (‘18)
Employed at BSU since 2004

**Academic Technology Specialist Tim Wenson**
(twenson@bridgew.edu; x.2752)
Part-time instructor in Management
BSU graduate alum (‘07)
Employed at BSU since 2007

**Administrative Assistant Amanda Zuromski**
(azuromski@bridgew.edu; x. 2871)
BSU undergraduate alum (‘06)
Employed at BSU since 2006

The Teaching & Technology Center filled two faculty fellow positions for the 2018-2019 academic year – one available to full-time faculty and the other available to part-time faculty. These roles provide consultation services, support, and professional development opportunities for faculty colleagues interested in using technology for teaching and learning. The full-time fellow role was filled by Dr. Jeanne Carey Ingle, assistant professor in the Elementary and Early Childhood Department. The part-time fellow role was filled by Professor Sharon Styffe, instructor in the Management Department.

Jeanne and Sharon provided numerous EdTech consultations to BSU faculty, conducted research on EdTech solutions and teaching strategies, engaged with our faculty in various workshops, and contributed to the recommendations for the TTC Faculty Innovation Awards recipients.

Thanks to Jeanne and Sharon for all their efforts on behalf of our faculty throughout the academic year!
TTC Initiatives in FY19

TTC in 3

In FY19, the talented interns and staff of the TTC produced four additional issues of the TTC in 3, our ~3-minute video newsletter on educational technology news, tools, and trends.

In issue #7 [https://youtu.be/b6Pxtc6lQn0](https://youtu.be/b6Pxtc6lQn0):
- Dr. Christina Hodel shares how she and her students are using the Flipgrid video discussion tool for online course discussions
- Dr. Jeanne Carey Ingle shares how she and her students are using the Remind messaging app for staying connected in her courses

In issue #8 [https://youtu.be/EdwBWo1fm70](https://youtu.be/EdwBWo1fm70):
- Dr. Maura Rosenthal shares how she created “Learning Bundles” in her Blackboard course sites for organizing content and assignments.
- Dr. Matt Salomone shares how he has developed, adopted, and re-mixed Open Education Resource (OER) text and video-based content for use in his teaching.

In issue #9 [https://youtu.be/6_WPY1xdPNQ](https://youtu.be/6_WPY1xdPNQ):
- Dr. Sarah Soltau shares how she and her students use OneDrive for lab notebook work.

In issue #10 [https://youtu.be/OvoX7Dqpbw](https://youtu.be/OvoX7Dqpbw):
- Dr. Andrea Cayson shares how she uses the Mursion Virtual Training Simulator in her classroom to engage students in a mixed reality environment:

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**Lightboard Services**

The Teaching & Technology Center (TTC) implemented our new Lightboard video lecture capture services for faculty. With TTC video production services, faculty can record video lectures speaking directly to their audience through the glass while writing with florescent markers on a lighted glass surface. The TTC reverses the video image in post-production, ensuring that students can read the lecture notes while retaining the personal touch of direct visual contact with their instructor.

The TTC created Lightboard videos with four faculty this past academic year.
INTERACTIVE DISPLAYS FOR EDUCATIONAL APPLICATIONS (IDEA)

The TTC and Media Services department kicked off the Interactive Displays for Educational Applications (IDEA) pilot program with faculty during the spring semester. This pilot program can potentially transform existing classroom spaces into active learning spaces, providing an opportunity for faculty and students to use mobile interactive whiteboard displays in their classroom activities. We offered a SMART 6065 (smartboard), a Google Jamboard, and an Avocor E-7520 as part of the program. Instructors can place students into working groups and utilize the interactive displays with mobile stands for group work activities, brainstorming sessions, presentation sharing, and more.

WELLSPACE

The TTC is one of seven campus departments piloting a new initiative promoting wellness in the workplace. The voluntary program, WellSpaces, is being promoted by Human Resources and Talent Management. The goal is to encourage departments to incorporate employee fitness efforts into their everyday work activities. It is HRTM’s belief and our shared experience that there are many residual benefits beyond a healthier and more mentally stimulated workforce.

Some of the activities already employed by Eric LePage and Arthur Slotnick are the TTC Book Club (covering work-related topics like Design Thinking), mobile staff meetings – Walk ‘n Talks - and everyone’s monthly favorite, the team-building activity “Forced Fun Friday”.

STACEY OSBORN, ARTHUR SLOTNICK, ERIC LEPAGE, TIM WENSON, & AMANDA ZUROMSKI
LEARNING PODS EXPANSION

President Clark wanted to provide comfortable furniture for students to use for studying and for accessing BYOD (bring your own device) technology. The TTC provided recommendations on the unit selected and has assisted with the procurement of each learning pod. Students really took to the four new learning pods added to the RCC student lounge. These BYOD learning pods provide students with an ergonomic workspace with an adjustable work surface to hold technology at eye level, reducing neck and shoulder strain and providing a semi-private work area to focus on school work. The units include comfortable lighting and power outlets for connecting mobile devices.

The popularity of these learning pods with BSU students led to the purchase and installation of 12 additional units, 4 located in Maxwell Library and 8 in Burnell Hall. There are now 16 learning pods across campus with plans to add more.

TTC INNOVATION AWARDS WINNERS

The TTC nominated two faculty members for the annual Online Teaching Innovation Award and Innovative Teaching with Technology Award, highlighting their innovative efforts to enhance student learning in their courses.

Dr. Susan Eliason in the Department of Elementary and Early Childhood Education won the Online Teaching Innovation Award. She developed a student-friendly course design with simple navigation within her Blackboard course site that fosters a successful online course experience for students. Dr. Eliason has students use a diverse mix of technologies as they engage with their course work.

Dr. Matthew Salomone in the Department of Mathematics won the Innovative Teaching with Technology Award. He has developed, adopted, and re-mixed Open Education Resources (OERs) with his own self-created video lecture content. Using a Doceri whiteboard app and his computer tablet camera, Dr. Salomone video-records class lectures either before or during class and shares those videos with his students for review on their own time.
One Button Studio Celebration

In December, IT and the Library celebrated our 1000th registrant of the Maxwell One Button Studio, our self-service video and audio podcast recording studio for faculty and students that was implemented in 2016.

This summer, IT will make additional refinements to make One Button Studio equipment more user-friendly and provide cloud storage access to OneDrive for users.
Visit To Harvard’s Visualization Lab

The TTC took a field trip to Harvard in June to visit their Visualization Research and Teaching Lab to learn more about how Harvard is innovating with virtual and immersive mixed reality technologies to engage learners in profound ways. Rus Gant, the Director of the Visualization Lab, graciously took the TTC on a mind-blowing tour of the lab and their curved ~23’ x 8’ immersive display wall with dual 4k projectors. We were very inspired to see how we can bring some of these technological achievements to BSU!
IT Outcomes 2018 - Augmented Reality Edition

Each year, the IT Division publishes the annual IT Outcomes publication and accompanying video to showcase key divisional accomplishments. This past year, the TTC under Arthur Slotnick’s leadership successfully incorporated the use of Augmented Reality (AR) into the IT Outcomes 2018 publication. By using the HP Reveal app, readers could dive deeper into the content with their smart phone or tablet by scanning AR images within the publication. For example, by scanning an image in the publication, a video launches to provide more information. This new campus-wide experience presented a new vision of engagement.

http://bsuit.uberflip.com/i/1059722-bsu-it-outcomes-2018/0?m4=

GOOGLE EXPEDITIONS PILOT

The TTC worked with Faculty Fellow Dr. Jeanne Carey-Ingle on a small classroom pilot of Google Cardboard VR headsets using Google Expeditions. With Google Expeditions, you can explore landscapes, artifacts, dinosaurs, the human skeleton, museums, da Vinci’s drawings, a NASA Space Station, Fitzgerald’s The Great Gatsby, and much more using virtual and augmented reality - all within your classroom. Google Expeditions offers hundreds of virtual and augmented reality tours created by educators and other experts within your fields. Each tour comes equipped with narrated text and conversation starters.

Thanks to the ingenuity of Networking Assistant Director Daryl DeAngelis, we can now use the wireless access points on campus to provide high-speed connectivity for faculty and students who wish to use Google Expeditions in their classrooms. The TTC has purchased 15 standalone high-quality virtual reality headsets (no computers or phones required) and 180- and 360-degree cameras to provide to faculty in FY20 for both adopting Google Expeditions content in their teaching and providing the ability for faculty and students to create their own VR content!
Digital Signage Phase II Begins

IT repurposed 10 TV displays to share unified communications throughout the campus. This enables and enhances communications through centralized management to the campus community. The newly activated displays located in RCC, DMF, ECC, Moakley, and Harrington Halls will share the same messages as the underpass displays. More displays will be activated or installed in the near future.

In collaboration with University Events, IT identified a room sign vendor and procured equipment that allows BSU to install electronic meeting room signs outside conference rooms which provide booking information integrated directly with our existing EMS room reservation software. Matt DeGrechie from the TTC was a key member of the project team.

TTC also contributed to the Follett Discover, Banner Grade Entry, Travel & Expense Upgrade, Windows 10 Upgrade, and Title IX projects.

ONLINE TEACHING INSTITUTE 2019

The TTC collaborated once again with Dr. Sue Eliason and Prof. Joanne McDonald on delivering a self-paced version of our annual summer Online Teaching Institute. The Institute prepares Bridgewater State University faculty to teach in a hybrid or fully online modality and create new Blackboard course sites that will best align with Quality Matters online course development guidelines. Over 80 faculty and staff signed up for this year’s Institute, which kicked off the first week of June. All faculty who complete the 9 modules of the Institute will receive an Institute Certificate and become eligible for a full Quality Matters online course review.
With the addition of Arthur Slotnick and Matt DeGrechie to the TTC team, the TTC produced a number of academic videos to support teaching and learning and highlight the great work our faculty are doing. Notable videos include:

### Video Cell Biology

A video on lab techniques for Cell Biology, created by Curtis St-Jean ’19, provided efficiencies, standardization and 24/7 access for our students. As Dr. Ken Adams stated, “The video enabled us to teach students a contemporary research technique within the confines of a 2 hour 45 minute lab section, which would have been virtually impossible without students having opportunity to watch the procedure ahead of their scheduled lab time.”

https://youtu.be/I3N3ouNMMTs

### CARS Celebration Superheroes

This video, created by Curtis St-Jean ’19 under the direction of Arthur Slotnick, highlighted the outstanding work being conducted by our BSU Faculty. The video was produced for the CARS May Celebration XXIII and was shown at the celebration kick-off event and repeated on the Moakley Atrium display through the two days. The video brought tears to the eyes of some faculty members and was very well received.

https://youtu.be/zmuu3kAJWoM

### Classroom Technology Tutorial

This video, created by Curtis St-Jean ’19 in collaboration with Media Services, provides a tutorial for faculty on the basics of using the front-end technology in BSU classrooms and meeting spaces.

https://youtu.be/ekDXom5VIXI
Bridgewater State University faculty attended the 14th Annual Massachusetts Colleges Online (MCO) Conference on eLearning on Friday, June 7 at Fitchburg State University. The TTC nominated this year’s recipients: Dr. April Megginson for Blended Online Teaching and Dr. Jeanne Carey Ingle for Online Teaching (100% online).

- Dr. April Megginson - CNSC 515-X01: Legal & Ethical Issues for School Counselors (Fall 2018) - https://youtu.be/_N00fcHsGCo
- Dr. Jeanne Carey Ingle - ELED 500-BW1 Digital Media in the Classroom (Summer 2018) - https://youtu.be/zuDFT7X_BGU
TTC SOCIAL MEDIA PRESENCE

The TTC’s social media presence on Facebook and Twitter were improved significantly in FY19. On an almost daily basis, the TTC shares EdTech news stories, upcoming professional development opportunities, and other notable events occurring at the institution involving our faculty and technology adoption in their teaching.

Please join us at:
- https://www.facebook.com/bsuttc/
- https://twitter.com/bsuttc
- https://www.youtube.com/channel/UCWWLb3hVYFszml6Iz3KiN3Q

PROMOTING STUDENT RETENTION THROUGH BLACKBOARD GRADE CENTER ADOPTION

In support of campus efforts to improve student retention at BSU, the TTC worked diligently in FY19 to promote faculty adoption of the Blackboard Grade Center. The Grade Center tool can provide students with the ability to easily track their progress throughout the duration of a course. In addition, other Blackboard tools can be used to automatically inform students when they are beneath certain grade thresholds. Notable promotional efforts included:

- Drop-in Grade Center Support sessions in December
- “Setting up your Gradebook” session at our Winter Break 2019 half-day event and (2) sessions following Spring Break 2019
- A promotional video on Grade Center adoption that was shared via TTC social media outlets. The video was created by TTC student interns under the direction of Tim Wenson and included faculty guest spots. https://youtu.be/ZjPNXrpW3WO
- Promoted adoption of the Grade Center at a DGCE chairs meeting on February 7, 2019.
• Matt DeGrechie won the “Pay Day” SPOT Award from HRTM for saving the institution ~$5000 by leading the TTC team in building our new Lightboard. The cost for purchasing a manufactured 8’x4’ Lightboard is ~$8000. With funding from the CIO, Matt was able to build a mobile 8’x4’ Lightboard unit for ~$3000. Thanks to Matt’s ingenuity and willing attitude, we’ve implemented an exciting, transformative new service for our faculty at less than half the cost.

• Curtis St-Jean won the Student Employee of the Year award for his efforts in providing outstanding video production services to the TTC and our faculty.

• The TTC provided a 360-degree video feed for a second year at the 2019 Commencements. The TTC’s Matt DeGrechie supported both the 360-degree and standard live streaming feeds for this year’s events.

• The TTC worked with Administrative Systems and Heather Flatto from New Student and Family Programs to modify the Blackboard/Banner enrollment feed so that all incoming freshmen were auto-enrolled into a new “First Year Student Steps” Blackboard site that, once completed, will help prepare incoming students for their new academic careers at BSU. This work has helped inform the TTC’s work on the Title IX project for the Office of Equal Opportunity.

• The TTC implemented a new Blackboard Course Availability process. In order to eliminate some of the mechanical steps required for faculty to utilize Blackboard and to alleviate student confusion about courses not being listed in their Blackboard Courses feed, the TTC began automating the process of making Blackboard sites available for all courses one day prior to the start of each term or session.
• TTC interns developed the accompanying video for IT Outcomes 2018, highlighting notable achievements from the past year.
• Stacey Osborn completed the “IT Accomplishments” six-month summary newsletter for the Chief Information Officer.
• Stacey Osborn joined the TTC ranks as a certified Quality Matters Peer Reviewer. Quality Matters is an organization which developed a nationally recognized rubric detailing best practices for online course design. The TTC performed Quality Matters reviews for 6 BSU online courses in the FY19 fiscal year.
• TTC Consultant (and former TTC intern) Sherry Lehane developed a self-paced training course in Blackboard called “Introduction to Online Course Design using the Quality Matters Rubric”. The course provides resources to prepare BSU faculty to teach in a hybrid or fully online modality and create new Blackboard course sites that will best align with Quality Matters online course development guidelines.
• Our TTC interns and graduate assistants developed two dozen new Blackboard and other EdTech video tutorials for our faculty in FY19. These videos were shared via our social media channels and posted on our TTC web site.
• The TTC contributed to the Experience IT initiative, providing input into the development of iCards and the production of a 2019-20 calendar promoting IT Services.
• Matt DeGrechie continues to work with Biological Sciences faculty on the development of faculty introductory videos to be used in their courses.
We provided numerous professional development opportunities throughout FY19 for faculty, students, and our IT colleagues:

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<tr>
<th>Session Title</th>
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<th>Registrations</th>
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<tr>
<td>Easin’ Back In – Regional EdTech Conference</td>
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<tr>
<td>Blackboard: Getting Started (multiple dates)</td>
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<td>Blackboard: Next Steps (multiple dates)</td>
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<td>Blackboard: Setting up your Grade Center (multiple dates)</td>
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<td>Flipgrid in the Classroom</td>
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<td>IDEA Pilot Demo</td>
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<td>What’s New in Blackboard this Fall</td>
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<td>Introduction to Poll Everywhere</td>
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<td>Turn that Classroom Upside Down - New “Flipping the Classroom” Video Tools and Practices (Spring Break Webinar)</td>
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<td>Mass Colleges Online (MCO) Conference</td>
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<td>Self-Paced Summer Online Teaching Institute</td>
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INVITED PRESENTATIONS

• “Teaching Online & Responding to Writing Online”. Eric LePage with Dr. Kathleen Ferris-Costa and Dr. Jeanne Ingle-Carey. WAC Writing Workshop, November 7, 2018
• “Global Goals through Global Partnership for Education - Goal 9: Industry, Innovation and Infrastructure” – poster presentation by Eric LePage and TTC Graduate Assistant Andrea Couto. Universal Children’s Day Conference at Bridgewater State University, November 20, 2018
• “Teaching and Technology Tools”. Eric LePage and Tim Wenson. Part-Time Faculty Conference, January 8, 2019
• “Personal/Team Project Management with Task Boards”. Andrea Couto and Eric LePage. IT Lunch ‘n Learn, February 20, 2019
• “Beyond the Camera: Insight into Composition and Editing”. Curtis St-Jean. IT Lunch ‘n Learn, March 27, 2019
• “Introduction to the Lightboard”. Matt DeGrechie and Tim Wenson. Faculty Research & Practice Symposium, April 1, 2019
• “Explore the World Around You – From Within Your Classroom – In Virtual and Augmented Reality with Google Expeditions”. Dr. Jeanne Carey Ingle, Eric LePage, Stacey Osborn, and Tim Wenson. CARS Celebration XXIII, May 15, 2019
• “Hurrying Slowly”. Eric LePage. CARS Celebration XXIII, May 16, 2019
• “Designing Engaging PowerPoint Slides”. Eric LePage. ATP-Presenting Your Research Workshop, June 18, 2019

COMMITTEE MEMBERSHIP

• BSU Professional Development Group – Stacey Osborn
• BSU Space Committee – Eric LePage
• Center for the Advancement of Research and Scholarship (CARS) Advisory Board – Eric LePage
• CARS Celebration Program Committee – Eric LePage
• High Impact Practices Steering Committee – Eric LePage

• Institutional Accessibility Resource Task Force – Eric LePage
• Post-Traditional Learners Committee – Eric LePage
• Retention Committee – Eric LePage
• Faculty Development Leadership Group – Tim Wenson
• IT/Library Advisory Group – Tim Wenson
Amanda, Stacey, Tim, and I once again visited the Oak Knoll and Attleboro Springs Wildlife Sanctuaries in Attleboro to perform volunteer work as part of the SERV program and IT’s “BSU IT CARES – Community Assistance Raises Everyone’s Spirits” volunteer initiative. We spent a beautiful August day outdoors clearing trails and building a honeycomb play set for kids. Tim Wenson was attacked by angry bees, but thankfully survived.