Greetings! As I write these words we are in the midst of a worldwide pandemic unlike few others. At Clemson, we are working to ensure the health and safety of our students, faculty, staff and larger community, and as such, have moved classes online and suspended all events until the end of the spring semester.

Fortunately, we live in a time where computing is helping us stay connected even though we can’t all physically be together. Technology has made it possible for us to survive, and even thrive. It’s keeping us connected through video conferencing and social media, and our networks, though stressed, are holding up to the increased demand.

I invite you in our spring newsletter to see how the Clemson School of Computing is addressing societal challenges. Research on how to avoid the negative consequences of social media, new collaboration technologies, managing Alzheimer’s, and advanced manufacturing are only some of our stories. We wish you good health and look forward to hearing from you, but until then, Go Computing and Go Tigers!

Amy Apon, PhD
C. Tycho Howle Director, School of Computing
High school students work with Clemson University researchers to stem the tide of social media hate speech

Daniel High School students Wyatt Dorris and Roger Hu are working with Clemson University researchers to stem the tide of social media hate speech via a new system called HateDefender. Overseen by Professor Feng Luo, the idea is to prevent the spread of hate speech on social media without resorting to censorship.

MORE

Safeguarding reputations

Associate Professor Hongxin Hu and Ph.D. student Nishant Vishwamitra are using artificial intelligence to safeguard reputations on social media. Their artificial intelligence system, AutoPri, will be aimed at helping protect people who appear in potentially embarrassing online photos that can strain relationships, threaten careers and needlessly tarnish reputations.

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Brian Dean brings his
passion for computer science to new partnerships with MUSC

Dean, a computer science professor, is working closely with the Medical University of South Carolina, conducting research in using artificial intelligence to predict the onset of Alzheimer’s disease. He is also helping coordinate a new Clemson-MUSC program that offers graduate degrees in biomedical data science and informatics.

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Leading the way in the fourth industrial revolution

Clemson University researchers are developing new manufacturing technologies that will help people do their jobs better and make their work more satisfying, while creating new jobs in fields such as artificial intelligence and robotics. One of these projects is led by Amy Apon, the C. Tycho Howle Director of the School of Computing.

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Clemson University virtual reality, environmental research boosted by NSF grants

Brygg Ullmer, chair of the Human-Centered Computing Division, is working to develop a customizable,
hands-on virtual reality and advanced display system that could change how scientists across the country share information and collaborate, as well as how students learn. MORE

Study finds smartphone app may be the best job aid for people with intellectual disabilities

A study of the effectiveness of the Clemson University-developed smartphone app Task Analysis Lite for people with intellectual disabilities has yielded impressive results. The app assists users in the completion of everyday tasks for home and work. Clemson’s study found large gains in the performance of task completion once the app was incorporated. MORE

Mapping Success - Clemson part of a high-tech effort to break the
The Zucker Family Graduate Education Center in North Charleston is bringing together Clemson University students and professors, along with industrial partners, faith and community-based groups and social agencies to help elementary-age children build confidence and skills in science, technology, engineering and math – STEM – which are crucial to the future workforce.

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IDEAS Extra: School of Computing Edition is published by the Clemson University School of Computing in the College of Engineering, Computing and Applied Sciences.

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