A SHOT IN THE ARM

One tiny poke can stop the flu in its tracks

Research dives into the crowd

KELDA SENIOR

Researchers at UCF’s Institute for Simulation and Training said that social connections, cultural background and gender all play a role in how people react during an emergency.

Currently, UCF researchers use computer simulations and data to better manage the crowds that enter large sports arenas. The research, often used as a ‘factor for determining the evacuation time of a crowd in an indoor arena or otherwise social connection, project faculty advisor and psychology professor at UCF, Jennifer Jette, who that family unites, couples and groups of friends will visit a building much differently than those who do not have personal connections with others who are exiting the building. In addition, Olesen said that a UCF graduate student and has been working on the crowd simulation project for two years. He said that the culture factor relates to whether a person allows others into their personal space and how that affects crowd behavior. “Here (at American) we tend to have bubbles around us, so we keep a certain distance away,” Olsen said. “American and Irish tend to mind close to one another.”

When Shreya Trivedi first arrived at Orlando International Airport in August 2001, she was taken aback by the size of the buildings and roads in the city. However, six years later, Trivedi, an international student and victim of meningitis, is now working to help others.

A month later, the Sept. 11 terrorist attacks occurred.

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Another student who does not want to be identified was a 12-year-old baby on Jan. 4.

Tulia outlasts the Knights 65-59 to send UCF to O-3 in C-USA - SEE SPORTS, A7

Deaths may change policies

Meningitis rules face strict revisions

William Richards

Florida policies concerning meningitis vaccinations at universities are under review following several incidents last year. On Jan. 23 and 24, Phillip Barkley, director of Student Health Services at the University of Florida, and Dorothy Mize, UCF’s director of health affairs will present research findings and a proposed regulation concerning meningitis vaccinations to the State University System’s Board of Governors.

The new proposal would require all incoming students to receive vaccinations for meningitis and hepatitis B or provide an opt-out waiver.

The current policy for vaccination requires only students living in residence halls or otherwise social connections who are entering the building. In addition, Olesen said that a UCF graduate student and has been working on the crowd simulation project for two years. He said that the culture factor relates to whether a person allows others into their personal space and how that affects crowd behavior. “Here (at American) we tend to have bubbles around us, so we keep a certain distance away,” Olsen said. “American and Irish tend to mind close to one another.”

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A toddler’s cousin, 17-month-old Shaloh, is accused of beating a baby one, said their attorney, Jahra. They do not want to take revenge on members.

Parents of dead baby ask that suspect not be charged in death...
OPEC urged to produce more oil

By TERENCE HUNT
Associated Press

Riyadh, Saudi Arabia — President Bush urged OPEC nations on Tuesday to put more oil on the world market and warned that soaring prices could cause an economic slowdown in the United States.

"High energy prices can hamper a growing economy," the president told a small group of reporters meeting with him in the Middle East.

"It's affected our families," he said, adding that prices were going to be a key point in his talks with Saudi King Abdullah.

"There are going to be serious consequences," he said, "if the Iranians hit a U.S. vessel. There are going to be serious consequences." He said Iran's armed forces were considering firing warning shots, before the retreat of American vessels.

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"There are going to be serious consequences," he said, "if the Iranians hit a U.S. vessel. There are going to be serious consequences." He said Iran's armed forces were considering firing warning shots, before the retreat of American vessels.
Kendrick Williams, 32, was arrested in New York City after former NBA star posted a photo on Facebook linking him to the victim, police said.

Williams was expected to be charged with murder, second-degree murder under the death of a police officer, and two additional, lesser counts.

No details are being released by authorities until the investigation is complete. Miami-Dade County police confirmed Monday that Williams had been arrested.

Kendrick died on Sept. 10, 2014, after a family dispute in the couple's Miami Beach home. Police have not released the cause of his death.

"We're still working through it," police spokesman William Enlow said Monday. "We're still working on it. The investigation is still going on."

The charges in the case mirror those in the shooting death of another Miami-Dade police officer in 2009. Officer Jennifer Eagon was gunned down on the street by a man she had arrested on an outstanding warrant. She was shot on her way to work.

The Miami-Dade police officer was driving through theNotes of the next meeting in the series, April 2, will be distributed at the end of the presentation.

"I think it's important for everyone to be here, whether you're interested in it or not," Fiss said. "You should take the opportunity to come and see what this is about."
Study uses video to track crowds

FROM Al person from New York City would move faster in a crowd than someone from Oklahoma City, due to the differing crowd environments between the two cities.

He added that these differences can all be incorporated into various crowd simulation models.

Researchers say men and women also escape an emergency in different ways; "Men may tend to push their way through certain things, and women will tend to almost create a controlled environment, even in an emergency situation," Oleson said. "Women tend to look for an overall best situation, and the men are only concerned about themselves."

He said that these behaviors change when men and women are in a building with their families.

Researchers have to take these factors into account when forming research models.

Results from Oleson and others’ research could mean better designs for emergency exits and more effective crowd control at sporting events.

Jennifer Reedy, an industrial engineering major at UCF, started working with the crowd simulation team last year. She said that they are planning to review video footage from games in Bright House Networks Stadium to suggest how officials can improve crowd control on gamedays.

"One of the major issues that we noticed when we first started looking at crowd behavior was that researchers always treat the group of individuals like they're all exactly the same," Oleson said. "I never have a group of people where all of them are going to react the exact same way. When you're talking about rapid evacuations or just crowd-control situations, it's very important to know those differences."

Based on their research, Oleson and a team of UCF students and professors have made conclusions about crowd behavior using a combination of techniques.

They begin by recording video of crowds in non-emergency situations. So far, video has been taken from Orlando churches, the Citrus Bowl and the UCF Student Union.

The video is then reviewed and downloaded to a computer, and a researcher places a marker on a person who appears on the screen. As the video plays, the researcher moves the marker as the person moves on the screen. This technique shows which direction a person takes as he walks.

Then, an "optical flow" analysis is used. With this, the computer detects where a person is on the video and tracks each person digitally.

Finally, software is used to create a computerized simulation of how various groups of people might exit a room during an emergency, and researchers compare the computer simulation and the video recordings.

The team’s research will eventually have an impact on the UCF campus and students. "Our research could help in the future growth of the school," Oleson said, "how new buildings can go in and where new parking garages should be put to help with movement of students."
College life puts students at risk

ADULT MENINGITIS SYMPTOMS
• Fever
• Headache
• Confusion
• Stiff neck
• Sensation of pressure
• Spots of dimness or blurriness
• Seizures (These occur in
  about 1/3 of those who
  develop meningitis.)
• A new rash that often looks like a
  bruise

CWSICSYMPTOMS
• Fever
• Headache
• Stiff neck
• Sensation of pressure
• Spots of dimness or blurriness
• Seizures (These occur in
  about 25 percent of those who
  develop meningitis.)
• A new rash that often looks like a
  bruise

LESS COMMON SYMPTOMS
• Localized weakness or loss of
  strength or sensation, especially in the
  face, arm, or leg
• Vision changes
• Loss of appetite
• Joint swelling and pain in one or
  more joints
• A sore throat that started about a
  week before

FluMist is a needle-free vaccine option

The best time to get the shot is in early October and November, before the season starts, Deichman said.

An option for anyone who has an aversion to needles is FluMist, a flu vaccine in the form of nasal spray.

Studies from the Center for Disease Control have shown that teens and young adults are most at risk, hence the preventative measures for college students.

College students are also at risk because the illness is spread through close contact.

For more information visit our website:

www.graduate.ucf.edu/ResearchForum

2008 GRADUATE RESEARCH FORUM
The 5th Annual Showcase of Diverse Student Research

Submit Now
Submit your poster proposal online through February 4, 2008

The Division of Graduate Studies and the Graduate Student Association invite all UCF graduate students to participate in the annual Graduate Research Forum scheduled for April 3, 2008.

All UCF students and community are invited to attend.

The Graduate Research Forum is an opportunity for graduate students to present their research, exchange ideas, and receive valuable feedback from faculty and expert judges.

For more information visit our website:

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SUBMIT NOW
WOMEN'S BASKETBALL: TULSA 65, UCF 59

UCF wastes halftime lead with 19 second-half turnovers, start Conference USA play at 0-3 for third straight year

RYAN BASS

After the UCF Women's Basketball team's first conference road loss to SMU on Friday, head coach Joi Williams wanted improvement from her squad heading into its next conference game in three days against Tulsa. Progress came, but not the Knights' third straight loss as they fell 65-59 to Tulsa.

The turnover problems continued for UCF as Tulsa scored 19 second-half turnovers, pulling to within 59-54 off a D'Nay Daniels jumper with 3:43 remaining. The Knights would get, as Tulsa reeled off a 10-0 run to close out the game and seal the victory.

UCF head coach Joi Williams said: "We had too many turnovers. We had to do a better job of taking care of the ball, just have to do a better job collectively of not turning it over.

"Pulling 30-30 at the break, Tulsa scored 19 unanswered points off six consecutive UCF turnovers to take a 39-30 lead with 12:22 left in the game. "We didn't take care of the ball," Williams said. "We had six turnovers in a row. We gave them the basketball (six) times as Pitt (15-2 overall, 3-1 in the Big East) scored 15-12 on top-five team.

The Knights' fairy tale quickly became a nightmare with UCF committing 19 second-half turnovers, the Knights dropping to 0-3 in Conference USA and 3-6 overall.

"What we wanted from Friday to today was improvement, and we saw that in the first half," Williams said. "We lost some poor decisions in the second half, and we didn't take care of the ball, and that's the story of the game.

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University of Central Florida Area

MELBOURNE, Australia — Top-ranked Roger Federer showed no lasting effects from a nasty stomach bug, overcame Diego Hartfield of Argentina 6-6, 6-7, 6-0 Tuesday to open his quest for a third consecutive Australian Open title.

The illness forced Federer, who has won 12 Grand Slams, to pull out of last week’s exhibition tournament in Hong Kong, interrupting his preparations for the first Grand Slam of the year.

“I’m very happy to be back,” Federer said in a postmatch interview that was delayed 15 minutes because of an equipment malfunction.

“I don’t feel sick very often so it was an easy decision to play.”

Federer, who has won three Australian Opens — in 2003 and 2004 — in a row, needed only 3 1/2 hours to dispose of the 14th-seeded Argentine in 50 games.

Williams says she was "a bit of a scare."

Venus Williams overcame a one-sided first set and saved four match points in the second to beat Yanina Wickmayer of Belgium 7-6 (5), 7-6 (7) Tuesday for her second-round victory at the Australian Open.

Williams, the three-time defending champion at Rod Laver Arena for the first time, was broken in the first game, with Hartfield putting up only token opposition.

The Swiss star, dressed in all black, quickly found his form and broke slipping winn­ers from all over the court,夸张ing any suggestions that he might be vulnerable for an early exit.

On a perfect night for tennis, Federer was often perfect, running off the first nine games and the last seven. He finished off the match, with his 30th ace, with 86 winners and just 14 unforced errors — none in the third set — that compiled as twice many points as Hartfield, 192-47.

“I was playing well in prac­tice, moving well, serving well,” Federer said. “I expected that. With the form we’re in, don’t have to do too much to win.”

Federer said that, with the form he’s in, he can play even better. And with the adrenaline rush, you practically play yourself even more.

It’s only come out here tonight and probably never had a better second round. I’ve had no nerves, I’ve been loose, I’ve been aggressive, I didn’t expect that. But I feel very well, I feel very well.”

With it like this every single match.

Hartfield was left in awe.

The eighth-seeded Novak Djokovic showed he has recovered from the exhaustion at the end of last year, when he played 37 matches, more than any other men’s player. He looked refreshed, sharp and hungry again as he beat Benjamin Becker 6-0, 6-2, 6-3 Tuesday.

Hartfield was left in awe.

He finished with only five winners. Williams said, "It was a good day to play my tennis, believe I can win every match, every single one that I play."

Williams was making her first visit to Australia since winning the 2006 Grand Slam event in Melbourne Park in 2006 and 2007.

That’s a real rest,” said Williams. "I had a lot of fun. Got to hit a lot of balls, which I felt was good. This definitely made me play some balls that I wasn’t expecting to come back."
Knights to host Houston at New UCF Arena tomorrow

Including grinding 24 offensive rebounds. The story of the game for UCF was Daniels, who had an all-around great game with 13 points, five steals, four rebounds and four assists.

She did a good job. Williams said of Daniels. "We played her inside on Friday and on the perimeter today and she did a good job looking for her shot early and being aggressive."

Daniels was aggressive in the opening period of the game, scoring the first five UCF points by hitting a layup and a 3-point basket to give the Knights an early 2-0 lead. A Daniels layup with 2:09 left before the break gave UCF its biggest lead of the game at 23-11. Larrissa Williams, who had a game-high 17 points for Tulsa, scored three points in the closing minutes of the half to spark a 14-3 Golden Hurricane run.

The Knights welcome Houston (8-9 overall, 2-1 in C-USA) to the New UCF Arena tomorrow with tip-off set for 7 p.m. UCF will play its fourth conference game of the season. Last season, the Knights dropped four consecutive conference games to begin the season, and players know that in order to avoid repeating history, they need to hold on to the ball.

"We have got to do a better job of focusing in and taking care of the ball entry position and treat it like the last one," Williams said. "We will come up with some things in practice to help them make it an emphasis ... we have got to put it behind us and get ready for a very athletic Houston team."

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BRIAN HELMUTH:
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The challenge before the scientific community is no longer to document how climate is affecting marine life but rather to forecast when, where, and how severe these impacts will be. The best way to prepare for the future. Dr. Helmuth will explore how we can use ecological forecasting approaches specific to marine systems that project future conditions under different "climate scenarios," thereby preparing for future changes faster than the changes take place.

Dr. Helmuth is an Associate Professor of Biological Sciences and Marine Science at the University of South Carolina, where his research explores the effects of climate and climate change on coastal marine ecosystems and coastal marine organisms. To date, his work has centered primarily on tropical coral reefs in Florida, the Caribbean, and Central America,大米 and the Mediterranean ecosystems in the United States and Europe. His research has directly supported his efforts and research activities throughout the United States.

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Republican Party members, are Bush voters. He was immediately coun-
seled by Giuliani, who said, "I don't think you are
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Giuliani put his foot down. He was
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