

## 2022 Calibration Complete

The routine annual Snell lab equipment calibration at the beginning of each year has been completed to ensure confidence in testing repeatability and compliance to ISO test lab accreditation requirements. Instruments vital to Snell lab operation, such as accelerometers, velocity gates, various amplifiers, loading sensors, weights and rulers have been sent out for calibration services. Regular monthly, weekly and daily in-house confidence checks are also performed to make sure all routine testing results are valid and reliable. Certification and other testing have resumed. Please contact Steve Johnson for scheduling and other lab issues.



## ICMS Presentation

The annual conference of the International Council of Motorsports Science was held online on December 8, 2021. Steve Johnson, Executive Director, and Denis Anishchenko, Chief Technology Officer, attended the conference from the Snell office and made a presentation. This was the first time that Snell Foundation presented at this conference. The presentation included a brief introduction of Snell's current programs and latest research findings. A PDF file containing the presentation slides and notes on the presentation content is available on the Snell website: [Snell Foundation \(smf.org\)](http://Snell Foundation (smf.org))



## this issue

2022 Calibration Complete **P.1**

ICMS Presentation **P.1**

SMSA Door Prize Helmets **P.2**

Quarterly Reports **P.2**

Here are the three key points that conclude the findings of the latest rotational testing research project:

1. We're confident that we can perform repeatable, reliable oblique impact testing should the requirement ever be included in testing for Snell certification, or if the service is ever added to our prototype testing service for Snell clients interested in pursuing FIM certification.
2. We have demonstrated that at least one anti-rotational innovation can change the response of helmets tested in oblique impact. However, we have also demonstrated that different test protocols which might reasonably simulate field conditions may reduce the effectiveness of this innovation.
3. Finally, the testing has demonstrated that anti-rotational features in some helmets reduce peak angular velocity and peak angular acceleration in some tests conducted to FIM protocols. Whether these findings bear on the protective performance of these features in real world crashes appears uncertain. Fortunately, helmets incorporating these features are already in use. Epidemiological studies of crash outcomes may one day tell us what we need to know.



## SMSA CONFERENCE

### Door Prize Helmets Support Motorcycle Rider Education

State Motorcycle Safety Association (SMSA) is a nonprofit organization of motorcycle safety professionals of the United State, including federal and state program administrators, traffic safety researchers, motorcyclist organization representatives, and certified rider coaches. As a long time member for over 25 years, Snell has presented at SMSA conferences many times and hosted a helmet safety seminar series with a lab tour when the SMSA conference came to Sacramento, California a few years ago. Several helmet manufacturers have donated Snell certified helmets for the conference as door prizes to support rider education programs. Motorcycle riding schools are excellent place for your new products to be seen. If your company would like to donate a couple of new helmets for the next SMSA conference, please contact Hong Zhang.

Helmet Donation  
Contact:  
<mailto:hong@smf.org>

## Quarterly Reports of Certified Helmets

The Snell certification and licensing require that helmet manufacturers submit quarterly production and distributing shipment reports for each certified helmet model. The Snell Random Sample Testing (RST) program uses these reports to plan helmet sample purchase in the market and schedule RST of certified helmets currently available to the public. The Snell RST program is an important measure to ensure that Snell certified helmets continue to meet the most stringent Snell standards and provide the best head protection for consumers.

The production report should include the ranges of Snell decal numbers used in the time period of the report. The distribution report should include the quantities of certified helmets by model names and distributor or dealer names. A spreadsheet report is a commonly used format. Text documents with the same information are acceptable as well.

Please contact Hong Zhang if you have any more questions on these reports.



### From the Editor:

We invite comments and items for inclusion in subsequent issues.

### Upcoming Events:

Snell Standard Seminars:

February 8, 2022

Tulsa Harley Riding Academy

February 12, 2022

Pacific NW Racing  
Community

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