



The Mechanics of Sport

The mechanics of the flight of a baseball determines whether or not a hit will become a home run; the transmission of forces from a sprinter's muscles to the ground determine who wins the race; ski jumpers and skateboarders are experts at generating forces to convert potential energy into astonishing physical feats. These are all examples of finely tuned propulsive forces, countered by resistance, leading to motion. This talk will discuss a few examples of the mechanics of sports, from classical concepts of running to recent controversies surrounding the home run rate in Major League Baseball.

We are thrilled to have Professor Peko Hosoi of the Massachusetts Institute of Technology give the 2022 USNC/TAM Distinguished Lecture.

Date and Time: Tuesday, April 19, 2022 from 3:00 to 4:00 pm PDT

Location: Online (livestream)

The event is free; please register by April 18, 2022 at

<https://www.nationalacademies.org/event/04-19-2022/the-mechanics-of-sport>

For more information, contact:

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Hosted by the US National Committee for Theoretical and Applied Mechanics ([USNC/TAM](#))