

Undergraduate Colloquium



DEPARTMENT OF
MATHEMATICS
Illinois State University

Date & Time: January 21, 2021 from noon-12:50pm

Speaker: Dr. Carl J. Wenning

Talk title: *Mathematics of the Spheres*

Abstract: Mathematics of the sphere plays essential roles in astronomy, geodesy, navigation, and many other areas. The speaker will give qualitative and historical overviews of the geometry and trigonometry of the plane and sphere. He will then show fundamental spherical formulas and practical applications. He also will provide suggestions for pursuing mathematical "amusement" in several areas.

About speaker: Dr. Carl J. Wenning has been a member of the ISU Physics Department since 1978. He directed both its planetarium (1978-2000) and physics teacher education program (1994-2008) before retiring in 2008. He continues to teach physics education courses on a part-time basis. With a BS degree in astronomy and a passionate amateur astronomer, Dr. Wenning dabbles in the field of spherical trigonometry.

Zoom meeting information.

Join Zoom Meeting

<https://illinoisstate.zoom.us/j/91272438803?pwd=T2RTbnFyVEs0MkRBWENHWVZSVDBBZz09>

Meeting ID: 912 7243 8803

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