

# SE&T Colloquium Series-Fall 2018

Speaker	Dr. Richard Bolander CSCS, Research Engineer, Simbex LLC. Host: Dr. Andrew Chubb
Title	<i>Development of an on-field head impact monitoring technology for football</i>
Abstract	<p>Each year, the number of athletes playing Football consists of 1.2 million participants at the youth, 1 million at the HS, and 73 thousand at the collegiate level. The increased awareness of concussion and concerns for long-term head exposure to impact has inspired new lines of research and initiatives to reduce the number of head impacts occurring during play.</p> <p>In this talk, Dr. Richard Bolander will discuss the development of a novel head impact sensing technology that provides coaches and athletic trainers with the ability to identify, evaluate, and manage their players and practices to reduce head impact exposure.</p> <p>Topics will include:</p> <ul style="list-style-type: none"><li>• Translating basic research into a wearable technology that can be used by athletes of all levels</li><li>• Laboratory research and testing necessary to develop and evaluate the technology</li><li>• Design for manufacturing</li><li>• Creating metrics, analytics, and a simple user interface that provides the end user with actionable insights</li></ul>
Date	Tuesday, October 16
Time	4:10-5:00pm
Place	Pioneer 240
	Refreshments will be served at 4:00pm.