



2018 Meeting

Crowne Plaza Indianapolis Downtown Union Station, Indianapolis, IN

STEM Program

The Gait and Clinical Movement Analysis Society (GCMAS) is an interdisciplinary organization of physicians, physical therapists, engineers, and scientists who develop and use quantitative measurement, modeling, and analysis techniques to study human movement and to design innovative treatment strategies for persons with neuromuscular and musculoskeletal disorders. A traditional strength of the society is research aimed at improving ambulation and quality of life for children and adults with neuromuscular disorders such as cerebral palsy, spina bifida, amputation, arthritis, traumatic brain injury, stroke, and spinal cord injury. Each year's annual meeting features an outstanding scientific program and social events designed to promote cross-disciplinary exchange, including tutorials, keynote lectures, podium presentations, lively poster sessions, and invited case studies.

One of the society's important aims is to cultivate the professional development of students, as the long-term success of rehabilitation research depends on the recruitment and nurturing of talented young investigators. At this year's annual meeting, the society will be joined by approximately 25 students from **Center for Leadership Development** (www.cldinc.org), who will attend a morning poster session and a podium session, and have lunch with several of the presenters. This will provide an interactive opportunity to discuss the research presentations. During lunch, the scientists and clinicians will discuss and share a wide range of personal educational and career path choices. Following lunch, in a small group setting, the students will participate in a data collection demonstration. Motion and muscle function will be measured in a state-of-the-art "mini-laboratory" experience with engineers, clinicians, and vendors. This hand-on interaction will provide a unique opportunity to engage the next generation of physicians, therapists, biomechanists, and engineers.

Agenda

Time	GCMAS Program	STEM Program
8:45am	Keynote Lecture	Arrival and Welcome
9:00am	Podium Session 1 (Balance)	Attend Podium Session
10:30am	Exhibitors Poster Session 1	Students visit poster session in small groups with GCMAS attendee mentor
12:00pm	CMLA Luncheon Workshop	Lunch on-site with selected poster/platform presenters to discuss careers, education, and the science of measuring human motion
1:00pm		Small group demonstration of motion capture, EMG recordings, plantar pressures, etc.
2:00pm		Questions and answers
2:15pm		Dismissal