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+	+	+	attention to make it feasible for education and research purposes. The sun simulator can be used to simulate the sun at a specific location for a specific															+	+	+	+			
			date and time of the day (i.e., by setting the setup at a selected sun elevation and sun azimuth angle calculated by the program to control the setup). When doing																					
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+	+	+		so, sunlight penetrating in buildings can be explored by evaluating scale models using this setup. Furthermore, multiple light measurement equipment are being calibrated using this setup to explore the potential disadvantageous effect of																+	+	+		
+	+	+		calibrated using this setup to explore the potential disadvantageous effect of angle of incidence of light falling on a photosensor.															f	+	+	+		
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+	+	+		In this challenge, the student team will be working on advancing and developing new ideas for the sun simulator. The overall goal would be to have a modernized															-	+	+	+		
+	+	+		sun simulator to enthuse students for the field of (day)lighting, to support urban																+	+	+		
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+	+	 student team that will work on this challenge. An advanced, modernized sun simulator setup will help the Building Lighting group for research and education purposes but it will also contribute to faculty-wide or even 															+							
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+	+	+	+ + + + + + + + The moving components (the arm and the table) need to be +																+	+	+				
+	+	+	through the software. EE students can contribute to the + actual development of the whole setup.															+	+	+	+				
+	+	+	+ + + + + + They can use their expertise in exploring different + + +															. +	+	+	+				
+	+	+	+ Industrial Design + the final design. They can set the design propositions for the + sun simulator setup as well as the accompanying software																+	+	+				
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+	+	+	+++++and make sure it will be user-friendly and intuitive at the end.Industrial EngineeringThese students can develop a business case for advancing the sun simulator and a roadmap for implementation of new															he: +	+	+	+				
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