	Scientific supervisor	
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Department	Advanced Materials Engineering	
Laboratory	Macromolecular Nanofilms Laboratory	
Group webpage		
Proponowany temat badań Preparation and charce	acterization of perovskite solar cells	
Krótki opis (< 1000 znaków))	
internship will be to introduce based on metal-halide perove to construct a model MHP set to study the effect of changing will include: determination measurement conditions as including: morphology, che student will be to optimize to	one of the most promising photovoltaic systems. The uce the student with the fabrication and characterizativskite (MHP) materials. During the internship, the studystem, methylamino lead iodide as the active layer of lang the iodide anion on other halide ions. Characterization of the basic parameters of device operation unind analysis of the physicochemical properties of the emical composition and optical properties. An additional the device fabrication process toward maximizing cells.	tion of solar cells dent's task will be the solar cell, and ation of the device der standardized e obtained device onal task for the
Główne narzędzia badawcze		
System for current-voltage characterization of solar cells, atomic force microscopy,		
fluorescence microscopy, secondary ion mass spectrometry, UV-VIS spectroscopy		
Additional requirements to Basic experience in laborato		
Possibility to continue student internship in the form of:		
	master's or bachelor's degree)	Χ

PhD study