

## CWSF 2017 - Regina, Saskatchewan



### Albert Nitu

#### Making houses energy independent through energy generating walls

**Challenge:** Energy

**Category:** Junior

**Region:** Ottawa

**City:** Ottawa, ON

**School:** Broadview P.S.

**Abstract:** This project focused on the development of an innovative, eco-friendly and efficient electricity production method. Currently, these methods are either devastating to our earth, or expensive. Based on research and experimentation on thermoelectrics and heat loss, our creation transforms typical walls into smart electricity generating devices. This invention can contribute immensely towards the achievement of energy sustainability of Canadian houses.

#### Biography

Greetings! I am Albert Nitu, a grade 8 student in the gifted program at Broadview Avenue Public School, in Ottawa. Ever since I was a kid, I always enjoyed problem solving and working out new solutions to existing problems. They have always fascinated me and spurred my creativity, and this year, one problem caught my attention: climate change. This was the main topic I based my project on, and I hope to bring a contribution to solving this problem. Outside of school, I also enjoy being involved in many activities, such as sports, music, math and robotics competitions. I also love doing science experiments in my basement. They have been the foundation for my love of science today. For me, science is an incredible way to learn more about our world, and I plan to continue this journey by studying in the field of biomedicine. Apart from the Canada-Wide Science Fair, I have also participated in the All Science Challenge, and even written a 200-paged detailed book on human anatomy. My advice for future scientists would be to never stop thinking. Good ideas come with dedication and perseverance, and you never know when you could become the next Albert Einstein!

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