

Dr. Tanja Tajmel, *Associate Professor, Centre for Engineering in Society, Gina Cody School of Engineering and Computer Science, Concordia University, Montreal*

Dr. Tajmel earned her Doctorate in Physics Education at Humboldt University Berlin (Germany) in 2016 (summa cum laude). In her thesis she investigated the German discourse on "diversity in STEM". She identified that the diversity-discourse supports "othering" of migrants and that neo-liberal arguments are feeding this discourse. As alternative, Dr. Tajmel suggests a hegemony-critical attitude towards STEM education (Tajmel 2019). In 2018, she co-authored together with UNESCO the Declaration on the Human Right to Science Education, which was adopted at the "International symposium for human rights and equality in STEM education" on October 1st, 2018 in Berlin (Germany).

From 03/2017 to 08/2018, Dr. Tajmel was Professor at the University of Education Upper Austria. In 09/2018, Dr. Tajmel joined Concordia University Montreal (Canada) and has since been engaged in the implementation of Equity, Diversity and Inclusion (EDI) at Gina Cody School of Engineering and Computer Science, where she is member of the Faculty's EDI-taskforce.

Since many years, Dr. Tajmel is engaged in empowering students of underrepresented groups in STEM. In 2005, Dr. Tajmel founded the first European program for migrant students at physics departments at four European Universities (Humboldt-University Berlin/Germany, University of Vienna/Austria, Yildiz Technical University Istanbul/Turkey, and University of Sarajevo/Bosnia-Herzegovina), named PROMISE (Promotion of Migrants in Science Education).

Dr. Tajmel is further an experienced physics teacher, teacher trainer and textbook author. In 2009, she developed the teacher training method "Simulated Othering", to raise teachers' awareness for processes of "othering" in the science classroom. She has authored or co-authored six books, among them one textbook for teacher training and two science textbooks for grad 7/8 and 9/10.

Dr. Tajmel closely collaborates with indigenous scholars and communities. Her current work focusses on colonialism and science and technology, the impact of science and technology on social equality, and on the development of decolonized curricula and courses in STEM fields.