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Dipartimento di Scienze Ambientali,  
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Green Chemistry Summer School  
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## Lectures and teachers 2020



### Krzysztof Matyjaszewski

Department of Chemistry Carnegie Mellon University, Pittsburgh, USA

Lecture Title: “Towards Green Atom Transfer Radical Polymerization”

### Profile

Krzysztof (Kris) Matyjaszewski received his Ph.D. in Polish Academy of Sciences in 1976. Since 1985 he is J.C. Warner University Professor of Natural Sciences at Carnegie Mellon University. In 1994 he discovered Cu-mediated atom transfer radical polymerization, commercialized in 2004 in US, Japan and Europe to prepare various advanced materials. His research is focused on synthesis of well-defined macromolecules and hybrid materials via living and controlled polymerizations using radical, and ionic mechanisms to prepare advanced materials for optoelectronic, biomedical, environmental and energy-related applications. He has co-authored >1,000 publications, co-edited >20 books, and holds 62 US patents. He is the editor of *Progress in Polymer Science*. He is a member of National Academy of Engineering, National Academy of Sciences and National Academy of Inventors as well as Australian, Polish and Russian academies of Sciences. He received 2017 Franklin Medal in Chemistry, 2015 Dreyfus Prize in Chemical Sciences, 2011 Wolf Prize in Chemistry, 2009 Presidential Green Chemistry Challenge Award, ACS Awards in: Chemistry of Materials (2019), Applied Polymer Science (2011) and Polymer Chemistry (2002) as well as eleven honorary degrees.