

# **Anthony Rollett**

**Professor at Carnegie Mellon University**

Pittsburgh, PA, US

Anthony Rollett's research focuses on microstructural evolution and microstructure-property relationships in 3D.

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## **Biography**

Anthony Rollett's research focuses on microstructural evolution and microstructure-property relationships in 3D, using both experiments and simulations. Interests include 3D printing of metals, materials for energy conversion systems, strength of materials, constitutive relations, microstructure, texture, anisotropy, grain growth, recrystallization, formability and stereology. He is co-director of the Next Manufacturing Center on additive manufacturing and previously worked at the Los Alamos National Laboratory, where he was group leader of metallurgy and deputy division director of materials science and technology.

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## **Industry Expertise**

Manufacturing

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## **Areas of Expertise**

3D Printing ?, Materials Science, Microstructural Evolution, Manufacturing & Materials  
Microstructure, Computational Materials Science, Advanced Manufacturing, Crystalline Materials

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## **Education**

**Drexel University**

Ph.D. Materials Engineering

**Cambridge University**

M.A. Metallurgy & Materials Science

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## **Accomplishments**

**Chercheur d'Excellence (Outstanding Researcher). University of Lorraine**  
2012

**Brahm Prakash Professor at the Indian Institute of Science (Bangalore)**  
2011

**Member of Honor of the French Metallurgical Society**  
2015

**Fellow of TMS**  
2011

**Cyril Stanley Smith Award from TMS**  
2014

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