

Junyu Fu

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Education

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|-------------------|--|
| 2013/01 – 2018/05 | Ph.D., Mechanical Engineering, University of Alberta |
| 2012/08 – 2012/12 | M.Sc., State key laboratory of robotics and system of China, Harbin institute of technology (Exam-exempted Postgraduate, Unfinished) |
| 2008/09 – 2012/06 | B.Eng., Mechanical Engineering, Kunming University of Science and Technology |

Working Experiences

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|-------------------|---|
| 2013/09 – 2016/12 | Co-founder of Aichi Technologies Ltd. Canada, Aichi APP (Sold) |
| 2013/01 – 2017/12 | Assistant engineer in Drader Manufacturing Industries Ltd. Canada |
| 2013/01 – 2018/05 | Research Assistant in University of Alberta |
| 2014/01 – 2017/12 | Teaching Assistant in University of Alberta |

Selected Awards & Honors

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| 2015/05 – 2017/05 | Canada NSERC Discovery Grant and Scholarships |
| 2013/01 – 2014/12 | Canada NSERC CRD Grant and Scholarships |
| 2012/08 | Harbin Institute of Technology Postgraduate Admission Scholarship |
| 2012/05 | Outstanding Graduates of Yunnan Province |
| 2010/09 | Chinese Government National Scholarship |
| 2010/09 | Excellent Students Awards of Yunnan Province |
| 2010/09 | NECCS English Competition National Second Prize |
| 2009/09 | NECCS English Competition National Third Prize |

Journal Papers

- [1] Fu J, Ma Y. Mold modification methods to fix warpage problems for plastic molding products. Computer-Aided Design and Applications. 2016 Jan 2;13(1):138-51.

- [2] **Fu J**, Ma Y. A Method to Predict Early-ejected Plastic Part Air-cooling Behavior towards Quality Mold Design and Less Molding Cycle Time. Robotics and Computer Integrated Manufacturing. (Revised)
- [3] **Fu J**, Ma Y. Computer Aided Engineering Analysis for Early-Ejected Plastic Part Dimension Prediction and Quality Assurance. The International Journal of Advanced Manufacturing Technology. (Accept)
- [4] Liu J, Ma Y, **Fu J**, Duke K. A novel CACD/CAD/CAE integrated design framework for fiber-reinforced plastic parts. Advances in Engineering Software. 2015 Sep 30;87:13-29.

Conference Papers

- [1] **Fu J**, Ma Y. Simulation of Early-Ejected Injection-Moulded Plastic Parts with Integrated FEA. International Symposium on Tools and Methods of Competitive Engineering. (Accepted)
- [2] Yuan L, ZheKun L, **Junyu F**, Feng W. The study of Detecting and Controlling System of Mineral Pulp Level. InCyber Technology in Automation, Control, and Intelligent Systems (CYBER), 2011 IEEE International Conference on 2011 Mar 20 (pp. 195-200). IEEE.
- [3] Sun Y, **Fu J**. Temperature controlling design based on VB and PLC. InInformation Theory and Information Security (ICITIS), 2010 IEEE International Conference on 2010 Dec 17 (pp. 134-137). IEEE.

Research Project

- [1] Unified Feature-based Product and Process Modeling (Major investigator), Canada NSERC Discovery Grant, 2015-2017. Molding product design, molding productivity improvement and lifecycle management.
- [2] Advanced Plastic Product Design and Behavior Analysis Study and Troubleshooting Methods for Molding Processes (Major investigator), Canada NSERC CRD Grant, 2013-2014. Molding product warpage behavior analysis and troubleshooting.
- [3] Study of Three-Phase Flow Mechanics and Evaluation System for Microbubble Formation and Microbubble Flotation (Investigator), Chinese National Natural Science Foundation, 2009-2011.
- [4] A Pastry Slice Machine Designing with Adjustable Cutting Length (Investigator), National Special Majors Experimental Class Grant, 2010.