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| **Name**  | DFMLC Best Paper Award |
| **Criteria**  | Awarded to the best technical paper submitted to the DFMLC conference  |
| **Application Process**  | Shortlisting of nominees based on recommendations from peer reviewers and majority voting by DFMLC technical committee members. Technical committee members with a conflict of interest abstain from voting.  |
| **Frequency of Award**  | Annual  |
| **Form of Award**  | Wooden Plaque for Each Author and a Combined Honorarium ($1000)  |
| **Past Awardees**  |  See table below  |

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| 2023  | Vernica, T., Aher, G., Veluri, B., & Ramanujan, D. (2023, August). LCAD: A Framework for Coupling Computer-Aided Design and Life Cycle Analysis Visualizations. In *International* *Design Engineering Technical Conferences and Computers and Information in Engineering Conference* (Vol. 87332, p. V005T05A007). American Society of Mechanical Engineers.  |
| 2022  | Albor, G., Mirkouei, A., & Struhs, E. (2022, August). Mixed Plastic Waste Conversion to Value-Added Products: Sustainability Assessment and a Case Study in Idaho. In *International* *Design Engineering Technical Conferences and Computers and Information in Engineering Conference* (Vol. 86250, p. V005T05A014). American Society of Mechanical Engineers.  |
| 2021  | Johnson, G. E., Fisher, M. J., Salmon, J. L., & Mattson, C. A. (2021, August). Product Development Using Perceived Correlations Between the United Nations Sustainable Development Goals and Social Impact Categories. In *International Design Engineering Technical Conferences and Computers and Information in Engineering Conference* (Vol. 85413, p. V005T05A028). American Society of Mechanical Engineers.  |
| 2020  | Thoft Krogshave, J., Boettjer, T., & Ramanujan, D. (2020, August). Machine-specific energy estimation using the unit process life cycle inventory (UPLCI) model. In *International Design Engineering Technical Conferences and Computers and Information in Engineering*  |

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|  | *Conference* (Vol. 83952, p. V006T06A031). American Society of Mechanical Engineers.  |
| 2019  | Gopalakrishnan, P. K., Cavallaro, J., Jahanbekam, S., & Behdad, S. (2019, August). A graph coloring technique for identifying the minimum number of parts for physical integration in product design. In *International Design Engineering Technical Conferences and Computers and Information in Engineering Conference* (Vol. 59223, p. V004T05A004). American Society of Mechanical Engineers.  |
| 2018  | Yang, S., Page, T., & Zhao, Y. F. (2019). Understanding the role of additive manufacturing knowledge in stimulating design innovation for novice designers. In *International Design Engineering Technical Conferences and Computers and Information in Engineering Conference*. American Society of Mechanical Engineers.  |
| 2017  | Raihanian Mashhadi, A., & Behdad, S. (2017, August). Demystifying the Relationship Between Use-Phase Attributes and Energy Consumption: A Case Study of Personal Computers. In *International Design Engineering Technical Conferences and Computers and Information in Engineering Conference* (Vol. 58165, p. V004T05A020). American Society of Mechanical Engineers.  |
| 2016  | Smullin, M. M., Haapala, K. R., Mani, M., & Morris, K. C. (2016, August). Using industry focus groups and literature review to identify challenges in sustainable assessment theory and practice. In *International Design Engineering Technical Conferences and Computers and Information in Engineering Conference* (Vol. 50145, p. V004T05A048). American Society of Mechanical Engineers.  |
| 2015  | Garretson, I. C., Lyons, K. W., Mani, M., Leong, S., Carter, M. D., Simmons, A. E., & Haapala, K. R. (2015, August). Unit Manufacturing Process Models for Ferromagnetic and NonFerromagnetic Alloy Surface Inspection Methods. In *International Design Engineering Technical Conferences and Computers and Information in Engineering Conference* (Vol. 57113, p. V004T05A044). American Society of Mechanical Engineers.  |
| 2014  | To be added  |
| 2013  | Ramanujan, D., Benjamin, W., Bernstein, W. Z., Elmqvist, N., & Ramani, K. (2013, August). ShapeSIFT: Suggesting sustainable options in design reuse from part repositories. In *International Design Engineering Technical Conferences and Computers and Information in Engineering Conference* (Vol. 55911, p. V004T05A041). American Society of Mechanical Engineers.  |
| 2012  | Esterman Jr, M., Fumagalli, M. E., Thorn, B., & Babbitt, C. (2012, August). A framework for the integration of system engineering and functional analysis techniques to the goal and scope of life cycle assessment. In *International Design Engineering Technical Conferences and Computers and Information in Engineering Conference* (Vol. 45042, pp. 777-787). American Society of Mechanical Engineers.  |
| 2011  | To be added  |
| 2010  | Zhao, Y., & Thurston, D. (2010, January). Integrating end-of-life and initial profit considerations in product life cycle design. In *International Design Engineering Technical Conferences and Computers and Information in Engineering Conference*(Vol. 44144, pp. 435447).  |
| 2009  | Zhao, Y., Pandey, V., Kim, H., & Thurston, D. (2009, January). Varying lifecycle lengths within a portfolio for product take-back. In *International Design Engineering Technical Conferences and Computers and Information in Engineering Conference* (Vol. 49057, pp. 323-335).  |