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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 <i>International Design Engineering Technical Conferences and Computers and Information in Engineering Conference</i> (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 <i>International Design Engineering Technical Conferences and Computers and Information in Engineering Conference</i> (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 <i>International Design Engineering Technical Conferences and Computers and Information in Engineering Conference</i> (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 <i>International Design Engineering Technical Conferences and Computers and Information in Engineering</i> |

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| | <i>Conference</i> (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 <i>International Design Engineering Technical Conferences and Computers and Information in Engineering Conference</i> (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 <i>International Design Engineering Technical Conferences and Computers and Information in Engineering Conference</i> . 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 <i>International Design Engineering Technical Conferences and Computers and Information in Engineering Conference</i> (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 <i>International Design Engineering Technical Conferences and Computers and Information in Engineering Conference</i> (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 Non-Ferromagnetic Alloy Surface Inspection Methods. In <i>International Design Engineering Technical Conferences and Computers and Information in Engineering Conference</i> (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 <i>International Design Engineering Technical Conferences and Computers and Information in Engineering Conference</i> (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 <i>International Design Engineering Technical Conferences and Computers and Information in Engineering Conference</i> (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 <i>International Design Engineering Technical Conferences and Computers and Information in Engineering Conference</i> (Vol. 44144, pp. 435-447). |
| 2009 | Zhao, Y., Pandey, V., Kim, H., & Thurston, D. (2009, January). Varying lifecycle lengths within a portfolio for product take-back. In <i>International Design Engineering Technical Conferences and Computers and Information in Engineering Conference</i> (Vol. 49057, pp. 323-335). |

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| 2008 | Williams, C. B., Mistree, F., & Rosen, D. W. (2008, January). A Functional Classification Framework for the Conceptual Design of Layered Manufacturing Technologies. In <i>International Design Engineering Technical Conferences and Computers and Information in Engineering Conference</i> (Vol. 43291, pp. 35-48). |
| 2007 | Pandey, V., & Thurston, D. (2007, January). Variability and Component Criticality in Component Reuse and Remanufacturing Systems. In <i>International Design Engineering Technical Conferences and Computers and Information in Engineering Conference</i> (Vol. 48051, pp. 953-961). |

DFMLC TC Membership:

Serving in the DFMLC TC is an excellent means for engaging with and gaining visibility in the DFMLC, DED, and ASME communities. A member's service in the DFMLC TC starts as special session chair and transitions upwards in a 7-year cycle until they serve as past chair.

After the annual ASME DFMLC conference, the TC sends out an open call for special session chair positions for the coming year. Applicants can be nominated by a colleague or self-nominated. The special session chair is selected through majority voting by the DFMLC TC.

For further details about the DFMLC TC, please reach out to any current member.

DFMLC mailing list:

The DFMLC TC maintains an email distribution list for disseminating conference-related information, academic job opportunities, and other noteworthy announcements relevant to our community. The mailing list is **not** intended for advertisements, solicitations, or other news distribution.

The mailing list is moderated by the DFMLC TC and emails need to be approved by a TC member before subsequent dissemination to the list's members.

Please contact any member of the DFMLC TC for enrolling in the mailing list or for instructions on how to send your email to the list's members.