Resume

Dr. Asit Kumar Parida
Associate Professor
Mechanical Engineering Department
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EDUCATION QUALIFICATION:

Year	Educational Qualification	College/School	University	Marks (% or CGPA)
2019	Postdoc	IIT Delhi	IIT Delhi	NA
2017	Ph.D. (Mechanical)	NIT, Rourkela	NIT, Rourkela	9.19
		Thesis title: Heat Assisted Machining of Nickel Based Alloys: Experimental and Numerical Analysis		
2012	M.Tech (Mechanical)	VSSUT, Burla	VSSUT, Burla	7.19
		Thesis title: Optimization of Machining Process: A Case Study		
2009	B.Tech, (Mechanical)	Seemanta Engineering College, Odisha	BPUT, Odisha	6.91
		Project title: Abrasive Jet Machining		
2005	+2 science	U.N. College, Soro, Balasore	C.H.S.E Odisha	64
2002	10th	Dantor High School, Balasore	B.S.E. Odisha	81

TEACHING and RESEARCH EXPERIENCES

- Working as Associate Professor at Nalla Malla Reddy Engineering College, Hyderabad from 27/12/2019 to till date
- Worked as Postdoc Fellow at IIT Delhi from 04/12/2017 to 03/12/2019
- 1 Year teaching experience at Guru Nanak Institute of Technology, Hyderabad.
- 6 months' experience as Lecturer in Swami Vivekananda School of Engineering and Technology (SVSET). Bhubaneswar, Odisha

PUBLICATIONS

1. **A. K. Parida,** P. V. Rao and S. Ghosh (**2020**), Machinability study of Ti-6Al-4V alloy using solid lubricant, Sadhana, Spinger. **(SCI).**
2. **A. K. Parida,** K.P. Maity (**2020**), Study of machinability in heat assisted machining of nickel base alloy. Measurement, Elsevier**(SCI).**
3. **A. K. Parida,** P. V. Rao and S. Ghosh (**2019**), Numerical analysis and experimental investigation in the machining of AISI 316 steel, Sadhana, Spinger. **(SCI).**
4. **A. K. Parida**, K. P. Maity and S. Ghadhei, **(2020),** Optimization of hot turning parameters using principal component analysis method, Materials Today, *Elsevier***. (Scopus).**
5. **A. K. Parida**, K. P. Maity, and S. Ghadhei, **(2020),** 3D simulation analysis of hot machining of nickel alloy, Materials Today, *Elsevier* **(Scopus).**
6. **A. K. Parida** and K. P. Maity, **(2019),** FEM and Experimental Analysis of Thermal assisted Machining of Titanium base –Alloys, *Measurement, Elsevier* **(SCI).**
7. **A. K. Parida,** P. V. Rao and S. Ghosh (**2020**), Performance of textured tool in turning of Ti-6Al-4V alloy: Numerical analysis and experimental validation, *Journal of the Brazilian Society of Mechanical Sciences and Engineering, Springer* (**SCI**).
8. **A. K. Parida,** P. V. Rao and S. Ghosh (**2019**), Influence of cutting speed and nose radius in the machining of Al-6061: FEM and experimental validation, *Materials Today, Elsevier*, **(Scopus).**
9. **A. K. Parida** and K.P. Maity, **(2019)**, FEM analysis and experimental investigation of force, and chip formation on hot turning of Inconel 625, *Defence Technology, Elsevier* **(SCI).**
10. **A. K. Parida** and K.P. Maity, **(2019)**, Hot Machining of Ti-6Al-4V: FE Analysis and Experimental Validation, *Sadhana, Springer* **(SCI).**
11. **A. K. Parida** and K.P. Maity, **(2019),** Modeling of machining parameters affecting flank wear and surface roughness in hot turning of Monel-400 using response surface methodology (RSM), *Measurement, Elsevier* **(SCI).**
12. **A.K. Parida, (2019),** Finite element analysis of tool wear in hot machining process. Book Chapter, I*GI Global publication, USA.* **(Scopus).**
13. **A. K. Parida** and K.P. Maity, **(2018),** Analysis of some critical aspects in hot machining of Ti-5553 superalloy: Experimental and FE analysis, *Defence Technology, Elsevier* **(SCI).**
14. **A. K. Parida** and K.P. Maity, **(2018),** Numerical analysis of chip geometry on hot machining of nickel base alloy, *Brazilian Journal of Mechanical Science and Engineering, Springer* **(SCI).**

15. **A. K. Parida and** K. P. Maity **(2018),** Numerical and experimental analysis of specific cutting energy in hot turning of Inconel 718. *Measurement, Elsevier* **(SCI).**
16. **A. K. Parida (2018),** Simulation and experimental investigation of drilling of Ti-6Al-4V alloy, *International Journal of Lightweight Materials and Manufacture. Elsevier*. **(Scopus).**
17. **A. K. Parida (2018)** Analysis of Chip Geometry in Hot Machining of Inconel 718 Alloy. *Iranian Journal of Science and Technology. Transaction of Mechanical Engineering. Springer* **(SCI).**
18. **A. K. Parida** and K. P. Maity, **(2018)** Comparison the machinability of Inconel 718, Inconel 625 and Monel 400 in hot turning operation. *Engineering Science and Technology, an International Journal, Elsevier* **(SCI).**
19. **A. K. Parida** and K. P. Maity, **(2018)** Experimental investigation on tool life and chip morphology in hot machining of Monel-400. *Engineering Science and Technology, an International Journal, Elsevier* **(SCI).**
20. **A. K. Parida**, **(2017),** Analytical and Numerical modeling of hot machining of Inconel 718, *American journal of mechanical and material engineering*, Science publishing group.
21. **A. K. Parida** and K. P. Maity, **(2016)** Effect of Nose radius on Forces, and Process parameters in hot machining of Inconel 718 using Finite Element Analysis, *Engineering Science and Technology, an International Journal, Elsevier,* **(SCI).**
22. **A. K. Parida** and K. P. Maity, **(2016)** Optimization in Hot Turning of Nickel Based Alloy Using Desirability Function Analysis, *International Journal of Engineering Research in Africa,* 10.4028/www.scientific.net/JERA.24.64. **(Scopus).**
23. **A. K. Parida** and K. P. Maity, **(2016)** Optimization of Multi-Responses in Hot Turning of Inconel 625 Alloy Using DEA-Taguchi Approach, *International Journal of Engineering Research in Africa,* 10.4028/www.scientific.net/JERA.24.57 **(Scopus).**
24. **A. K. Parida** and K. P. Maity, **(2016),** Finite Element Method and Experimental Investigation of Hot Turning of Inconel 718, *Advanced Engineering Forum*,10.4028/www.scientific.net/AEF.16.24.
25. **A. K. Parida** and K. P. Maity, **(2016),** An Experimental Investigation to Optimize Multi-Response Characteristics of Ni-Hard Material Using Hot Machining, *Advanced Engineering Forum,* 10.4028/www.scientific.net/AEF.16.16.

CONFERNCES AND SEMINAR

1. International Conference on Materials, Manufacturing and Method (MMM) held at NIT Trichy during 5-7th July 2019.

2. 2nd International Conference on Materials, Manufacturing and Modelling (ICMMM) held at VIT Vellore from 29-31th march 2019.

3. 1st International Conferences on best practices in supply chain management (BPSCM-2012), ITER, Bhubaneswar, held on 22-23 November 2012.

4. National Seminar on "Advances in Mechanical Engineering", Institute of Engineers, Bhubaneswar Chapter in association with the KIIT university Bhubaneswar, 16-17th march 2013,

5. National Conference on Modern Trends in Engineering Solutions held at Indira Gandhi Institute of Technology, Saranga, (IGIT), Odisha.2013

6. 100th Indian Science Congress, held at Calcutta University from 3-7th January 2013.

SHORT TERM COURSES/ WORKSHOPS ATTENDED

1. "Laser Processing of Materials" GIAN course held at NIT Warangal during 22-26th July 2019.

2. "Fundamental and Modeling of Micro/Nano Machining Processes" GIAN course held at NIT Calicut during 24-29th June 2019.

3. "Metal Cutting Technologies" workshop held at Sandvik Coromant Pune during 10-12th June 2019.

4. "Application of 2D and 3D modeling in the field of Mechatronics and Robotics" (AMFMR) during 9-11th august 2013, NIR Rourkela

5. "Material handing" at conducted by National Institute of Technical Teacher's training and Research at Women Poly technique, from 7-11th June 2010, Bhubaneswar

6. "Advanced engineering optimization through intelligent technique", National Institute of Technology, Surat during 7-11th January 2013

7. "Hand on Practice on optimization technique" held at Vellore Institute of Technology

8. "Design of experiments: An optimization tool" held at National Institute of Technology from 27-29th Dec 2013

9. "Principles and Computational Technique in Multibody Dynamics" during 9-13th Dec 2013 at National Institute of Technology Rourkela

COMPUTER AND SOFTWARE SKILL

DEFORM, MINITAB, AdvantEdge

ASSOCIATED WITH BODY

Life time membership of Indian Institute of Metal-56134
Life time membership of Association of Machines and Mechanism-A20170005

Life time membership of Additive Manufacturing Society of India-277/17
Life time membership of Indian Society for Technical Education-123465
Life time membership of Indian Welding Society-L01916

PERSONAL INFORMATION

S/o- Dinabandhu Parida
At-Daripokhari, Po-Badapokhari,
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DOB-11-06-1987
Marital Status-Married

References

Reference-1	Reference-2	Reference-3
Prof. Kalipada Maity	Prof. P.V. Rao	Prof. S. Ghosh
PhD Supervisor	PDF Mentor	PDF Mentor
Mechanical Engg. Dept	Mechanical Engg. Dept	Mechanical Engg. Dept
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DECLARATION:

The information furnished above is true to the best of my knowledge & belief.

Dr. Asit Kumar Parida