

Dr. L. JAYAHARI, HOD & Professor Dept ME

(ID-405), B.Tech, MS, PhD(JNTUH)

Qualifications B.Tech (Mechanical), GRIET-JNTU University (2001),

M.S (Structural Mechanics), BTH-SWEDEN (2005),

Ph.D. Mechanical Engineering, Manufacturing-Sheet Metal Forming, JNTUH (2015).

Experience: 12+ years.

Research Interest: Metal Forming.

Journal Publications/Conference Proceedings: 17.

Dr L Jayahari, Professor & HOD of ME. Dr.L.Jayahari graduated from GRIET affiliated to JNTU University in Mechanical Engineering. He Pursued his Masters from Blekinge Institute of Technology(BTH), Karlskrona, SWEDEN with specialization „Structural Mechanics“. He has doctorate in Philosophy from Jawaharlal Nehru Technological University, Hyderabad with specialization sheet metal forming. His research work carried out at GRIET and BITS Pilani, Hyderabad in the area of warm forming. He has more than 16 research publications in international and national journals and conferences. He is Organizing committee member of annually conducted international Conference ICMPC(2012 to 2017). He also worked as Dean Publicity and Alumni Affairs and as member in Strategic development and sustainability at GRIET. Recently he attended International Symposium on Plasticity and its Current Applications, Hawaii, USA for improving quality in education. Under his leadership he has successfully got NBA accreditation for two Programmes (MTech(DFM) and B.Tech) in Mechanical Engineering department. **Currently a professor in “Department of Mechanical Engineering” holding the appointment as the Head of the Department.**



International Journals

1. **Lade Jayahari**, Jella Gangadhar, Swadesh Kumar Singh and B.Balunaik, “Investigation of high temperature forming of ASS 304 using BARLAT 3-Parameter Model” To appear in **Materials Today**, Volume 4, Issue 2, Part A, 2017, Pages 799–804.
2. Chadaram Srinivasu, **Lade Jayahari**, Swadesh Kumar Singh “Study of Limiting Dome Height and Temperature Distribution in Warm Forming of ASS304 Using Finite Element Analysis” **Materials Today**, Volume 4, Issue 2, Part A, 2017, Pages 957-965.
3. **Lade Jayahari**, Banoth Balunaik Amit Kumar Gupta, Swadesh Kumar Singh, “Finite element Simulation studies of AISI 304 for deep drawing at various temperatures” **Materials Today** Volume 2, Issues 4–5, 2015, Pages 1978-1986.
4. **Lade Jayahari**, Balu Naik Banoth, Amit Kumar Gupta and Swadesh Kumar Singh, “Metallurgical Studies of Austenitic Stainless Steel 304 under Warm Deep Drawing” **Journal of Iron and steel, International, Volume 21, Issue 12, December 2014, Pages 1147-1151.Impact factor-0.33**
5. **Lade Jayahari**, B. BaluNaik, Swadesh Kumar Singh, “Formability studies of ASS 304 and evaluation of friction for Al in deep drawing setup at elevated temperatures using LS-DYNA”. **Journal of King Saud University – Engineering Sciences, (Elsevier Publication)** (2014) Vol.26, 21–31.

6. **Lade Jayahari**, B. BaluNaik, and Swadesh Kumar Singh, "Some aspects of Formability of ASS 304 under warm conditions", **International Journal of Manufacturing Engineering**, December, 2013, Vol. 8, Issue. 4, pp 221-224.
7. **Lade Jayahari**, B. Balu Naik, and Swadesh Kumar Singh. "Effect of process parameters and metallographic studies of ASS-304 Stainless Steel at various temperatures under warm deep drawing." **Procedia Materials Science, Elsevier Journal** 6 (2014): 115-122.

International Conferences

1. **Lade Jayahari** and Swadesh Kumar Singh, "A comparison of part quality in high temperature forming of ASS 304 using BARLAT 3-Parameter Model" 27th International Symposium on Plasticity 2015 and Its Current Applications, Keauhou Bay, Hawaii, USA, January 3-9, **2016**.
2. **Lade Jayahari**, Swadesh Kumar Singh, Balu Naik Banoth, "Formability analysis of austenitic stainless steel-304 under warm conditions". **NUMISHEET-2014**, Jan 6-10, Deakin University, Melbourne, Australia, AIP Proceedings **1567, 378-381 (2014)**;
3. K Sajun Prasad, Raghuram Karthik Desu, **Lade Jayahari**, Swadesh Kumar Singh and Amit Kumar Gupta, " Finite Element Modeling and Prediction of Thickness Strains of Deep Drawing using an ANN for ASS304" **NUMISHEET-2014**, Jan 6-10, Deakin University, Melbourne, Australia, AIP Proceedings, pp 378-381.
4. **Lade Jayahari**, B.BaluNaik, Swadesh Kumar Singh, "Simulation and experimental investigation of ASS 304 at various temperatures in warm deep drawing forming Process", **International Conference on Smart Systems (ICSS-2013)**, October, 2013, Hyderabad, INDIA.
5. **Lade Jayahari**, Swadesh Kumar Singh, Balu Naik, "Study of Formability and Thickness Distribution in Warm Forming of ASS-304, **AIMTDR-2012**, December 2012, Kolkata, India.
6. **Lade Jayahari**, B.BaluNaik, Swadesh Kumar Singh, "Study of microhardness of Deep Drawn cups for Austenitic stainless steel-304 under warm conditions". **High Nitrogen Steels (HNS -2012)**, PP12 Sep 2012, Chennai, India.
7. **Lade Jayahari**, B.BaluNaik, N.Lakshmi et al, "Experimental Investigation of Punch Load of ASS 304 at Various Temperatures" **International Conference on Materials Processing and Characterization (ICMPC -2012)**, 89-93, March, India.
8. **L.Jayahari**, B.BaluNaik, R.Bhargav et al,"Microhardness Studies of Austenitic Stainless steel-304"**International Conference on Materials Processing and Characterization (ICMPC -2012)**,94-99, March, India.
9. Ramana Gaud, **L. Jayahari**, and Swadesh Kumar Singh,(2011)"Experimental and Design consideration of Stretching of EDD steel sheet at elevated temperatures" International Conference on Advances in Materials and Materials Processing, IIT Kharagpur India, Dec 9-11, **2011** pp 202.

National Conferences:

1. Swadesh Kumar Singh, Ramana Gaud, Eswar Prasad, **LadeJayahari** and Balu Naik (**2009**), "Development and Design Considerations of Warm Forming of Aluminum-alloy" NCSAME 09, JNTU Hyderabad, 20-21 Aug India.

Name of the Faculty	FDP/Training Activities/Workshops/STTP's	Year	Details
Dr L.Jayahari ID: 405	ISTE Workshop on Engineering Mechanics	2013-2014	16-20 Sep, 2013, Dept of Civil Engineering, IIT Bombay
	Workshop on Engineering Mechanics		26 th Nov to 6 th Dec-2013, Dept of Mech Engg, GRIET
	ISTE Workshop on Fluid Mechanics		20-30 May, 2014, Dept of Civil Engg, GRIET IIT Kharagpur
	Nano Materials: Characterization & Applications	2014-2015	10-14 Nov 2014, Applied Science Department NITTR Chandigarh
	FDP on Additive Manufacturing		25-27 March, 2015, GRIET, Hyderabad

	FDP on Advancements in MEMS and NEMS Technologies	2015-2016	19-21 November, 2015, GRIET, Hyderabad
	Human Values & Professional Ethics		29 Dec 2015
	STTP on Modelling and Manufacturing	2016-2017	12-17 Dec 2016
	Thermal and Fluids Analysis-CFD Approach		27 Feb-4 Mar 2017
	STTP on Nano, Micro and Bulk Material Processing and Nano-Technology		20-26 March 2017