Chair of Engineering Materials

Wednesday, October 30, 2024

List of publications of CEM

1. Refereed regular and original articles

1) M. Kiuchi, T. Imai, H.K. Chung and J. Yanagimoto: Analysis of Upsetting of Hollow Disk (Application of UBET to Forging 1), *Journal of the Japan Society for Technology of Plasticity*, 28-319 (1987-8), 841-848. (in Japanese)

2) M. Kiuchi, T. Imai, H.K. Chung and J. Yanagimoto: Analysis of Upsetting of Pipe (Application of UBET to Forging 2), *Journal of the Japan Society for Technology of Plasticity*, 28-323 (1987-12), 1245-1251. (in Japanese)

3) M. Kiuchi, T. Imai, H.K. Chung and J. Yanagimoto: Analysis of Expanding and Sinking of Pipe (Application of UBET to Forging 3), *Journal of the Japan Society for Technology of Plasticity*, 29-328 (1988-5), 463-470. (in Japanese)

4) M. Kiuchi and J. Yanagimoto: Combined Numerical Analysis of Forging Processes (Study on Combined Numerical Analysis Method 1), *Journal of the Japan Society for Technology of Plasticity,* 29-330 (1988-7), 710-717. (in Japanese)

5) M. Kiuchi and J. Yanagimoto: Computer Aided Simulation of Shape Rolling Processes, *Trans. MRI/SME,* 16 (1988), 34-40.

M. Kiuchi and J. Yanagimoto: Combined Numerical Analysis of Shape Rolling Processes (Study on Combined Numerical Analysis Method 2), *Journal of the Japan Society for Technology of Plasticity,* 30-336 (1989-1), 19-25. (in Japanese)

6) M. Kiuchi and J. Yanagimoto: Computer Aided Simulation of Universal Rolling Processes, *ISIJ International*, 30-2 (1990-2), 142-149.
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M. Kiuchi, J. Yanagimoto, T. Sonoda, S. Tanaka: Computer Aided Simulation of Bar and Wire Rolling Processes (Study on Combined Numerical Analysis Method 3), *Journal of the Japan Society for Technology of Plasticity*, 31-349 (1990-2), 182-188. (in Japanese)

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9) M. Kiuchi, H.K. Chung and J. Yanagimoto: Analysis of Upsetting of Hollow Billets with Square and Gear-type Dies (Application of UBET to Forging 5), *Journal of the Japan Society for Technology of Plasticity*, 31-354 (1990-7), 907-912. (in Japanese)

10) J. Yanagimoto, M. Kiuchi, M. Nakamura and R. Kurahashi: Computer Aided Simulation of Rolling Processes by Lagrange Multiplier Rigid-Plastic Finite Element Method (Research on Computational Rolling Mill 1), *Journal of the Japan Society for Technology of Plasticity*, 32-367 (1991-8), 1000-1006. (in Japanese)

11) J. Yanagimoto and M. Kiuchi: Three-Dimensional Coupled Simulation of Strip and Shape Rolling Processes, *Trans. NAMRI/SME*, 19 (1991), 15-22.

J. Yanagimoto and M. Kiuchi: Three-Dimensional Coupled Simulation Technique Based on Elastic FEM and Rigid-Plastic FEM for Strip Rolling Processes (Research on Computational Rolling Mill 2), *Journal of the Japan Society for Technology of Plasticity*, 32-367 (1991-8), 1007-1012. (in Japanese)

12) S. Fukuoka, K. Kosugi, M. Kiuchi, and J. Yanagimoto: Development of a New Wire Rod Mill 'Bevel Roll Mill' 2, *Proceedings of 59th Annual Convention of Wire Association International*, (1989), 404-408.

S. Fukuoka, K. Kosugi, J. Yanagimoto and M. Kiuchi: Deformation and Loading Characteristics of Rolling with Bevel Rolls, *Journal of the Japan Society for Technology of Plasticity*, 33-383 (1992), 1356-1361. (in Japanese)

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DOI:10.2355/isijinternational.39.171

29) M. Kiuchi, J. Yanagimoto and E. Wakamatsu: Appropriate Interpolation Function and Mesh System for Stabilizing Calculated Temperature Distribution (Three-Dimensional Finite Element Thermal Analysis of Hot Rolling 1), *Journal of the Japan Society for Technology of Plasticity*, 40-465 (1999), 961-965. (in Japanese)

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3.4 Invited presentations at conference and symposium held by academic societies and public institution after 2010

2010: 6 (March, JSTP RC), (March, JSTP Lecture), (May, ISIJ Symposium), (September, JSME Symposium), (September, S2P Keynote), (JISF, Lecture)

2011: 7 (March, JSTP RC), (March, Nagasaki Prefecture Lecture), (June, JSTP Symposium), (August, JFM Lecture), (November, JSTP Forum), (November, ISIJ Nishiyama Memorial Lecture, twice)

2012: 10 (March, Keynote lecture in Aluminum Forging Committee GA), (June, International Symposium of Bulk-nanostructured Metals), (September, JST symposium on Hetero Structure Control Project), (September, ISIJ Symposium on Computational Material Science) (September, Warm Stamping Seminar by Nagano Prefecture Research Center), (November, Materials Genome Forum of ISIJ), (November, Young Scientists Forum of ISIJ), (November, JSTP South-Kanto Technical Meeting), (December, Special Lecture in JWRI, Osaka University), (December, Annual meeting of Rolling Theory Division of ISIJ)

2013: 3 (April, Pusan National University), (July, JFMA Lecture), (September, IUMRS-ICAM2013 Keynote, Qingdao)

2014: 7 (June, Hot Strip Rolling Committee of ISIJ, Tokyo), (June, JSTP Symposium Tokyo), (June, JSTP Forum, Tokyo), (September, ISIJ Hetero Symposium), (October, Session Keynote on Hot Stamping of ICTP at Nagoya Congress Center, Nagoya, Japan), (October, Plenary Lecture of ICTP at Nagoya Congress Center, Nagoya, Japan), (December, Gyeongsang National University, Korea)

2015: 7 (January, University of Science and Technology Beijing, China), (April, FEM Research Committee of JSTP), (May, Harbin Institute of Science and Technology), (June, US-Japan Materials Genome Workshop, NIMS, Tsukuba), (August, 2nd International Symposium on Bulk-nanostructured Metals, Kyoto), (September, JSAE Forum), (October, Asia Steel International Conference 2015, Yokohama)

2016: 6 (January, ISIJ Joint Forum Lecture), (February, Seoul National University – U-Tokyo Joint Workshop), (May, Yanshan University, Qinhuangdao), (September, ISIJ Symposium), (October, SENAFOR 2016, Porto Alegre), (October, 5th International Conference on Material Science and Engineering Technology)

2017：2 (May, GIFT seminar, POSTECH, Pohang), (August, JSTP Symposium)

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4. Conference Proceedings (Peer Reviewed, International)

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