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PRESS RELEASE

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Subject line: Research highlights in the Feb 2015 issue of the Toyohashi Tech e-Newsletter

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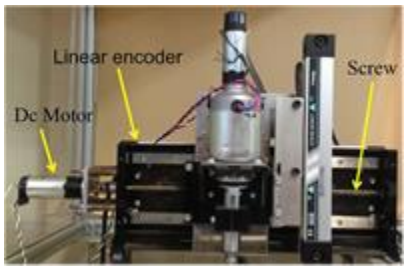
(Toyohashi, Japan, 25 Feb 2015) Toyohashi University of Technology, Japan publishes the February 2015 issue of its online newsletter, *Toyohashi Tech e-Newsletter*

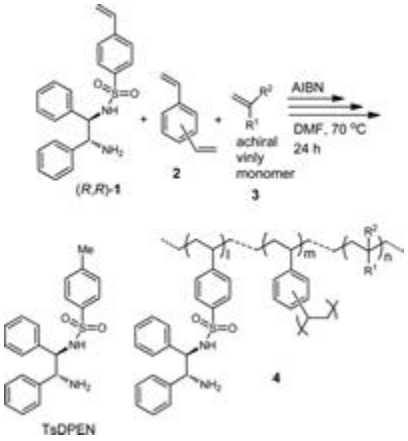
http://www.tut.ac.jp/english/newsletter/

Research highlights featured in the February 2015 issue of *Toyohashi Tech e-Newsletter*.

Industrial electronics: reducing the energy consumption of feed-drive systems
http://www.tut.ac.jp/english/newsletter/research_highlights/research01.html
Toyohashi Tech team led by Naoki Uchiyama describe a new technique for enhancing the performance of ball-screw-driven mechanisms actuated by servo drives.



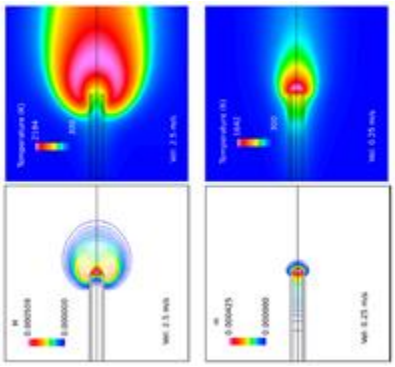
Chiral chemistry: catalysts benefit from polymer support
http://www.tut.ac.jp/english/newsletter/research_highlights/research02.html
Shinichi Itsuno, Yosuke Hashimoto and Naoki Haraguchi report how to immobilise industrially important chiral complexes on polymer supports for re-use in effective chiral catalysis.



Novel stability concept in miniaturized jet flames

http://www.tut.ac.jp/english/newsletter/research_highlights/research03.html

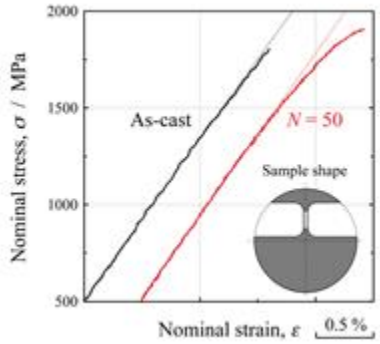
Yuji Nakamura (Toyohashi University of Technology) and Akter Hossain (Hokkaido University) examined numerically the stability of miniature hydrogen jet diffusion flames inside micro-burners made from different materials.



Materials science: enhancing the ductility of bulk metallic glasses

http://www.tut.ac.jp/english/newsletter/research_highlights/research04.html

Toyohashi University of Technology and Tohoku University researchers report how mechanically-induced defects can counter this limitation and enhance the ductility of bulk metallic glasses. The study describes the results of differential scanning calorimetry measurements on bulk metallic glass Zr50Cu40Al10.



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About Toyohashi University of Technology:
Founded in 1976 as a National University of Japan, Toyohashi University of Technology is a vibrant modern institute with research activities reflecting the modern era of advanced electronics, engineering, and life sciences.
Website: http://www.tut.ac.jp/english/