

# Elements

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ABOUT THE COVER: Japan's Hayabusa mission was the first to return a sample of an asteroid to Earth. In this artist's rendition, Hayabusa is approaching asteroid Itokawa.

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## Asteroids

Guest Editors: **Catherine M. Corrigan** and **Guy Libourel**



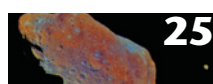
### Asteroids: New Challenges, New Targets

Guy Libourel and Catherine M. Corrigan



### Formation and Physical Properties of Asteroids

Patrick Michel



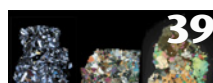
### Establishing Asteroid–Meteorite Links

Edward A. Cloutis, Richard P. Binzel, and Michael J. Gaffey



### Asteroid 2008 TC<sub>3</sub> and the Fall of Almahata Sitta, A Unique Meteorite Breccia

Cyrena Goodrich, Addi Bischoff, and David P. O'Brien



### Unique, Antique Vesta

Harry Y. McSween, Maria Cristina De Sanctis, Thomas H. Prettyman, and the Dawn Science Team



### Asteroid Itokawa—A Source of Ordinary Chondrites and a Laboratory for Surface Processes

Akira Tsuchiyama

## DEPARTMENTS

<b>Editorial</b> – Asteroid what? . . . . .	<b>3</b>
<b>From the Editors</b> – Welcoming Gordon Brown . . . . .	<b>4</b>
<b>The Elements Toolkit</b> – Fast Mapping with $\mu$ -XRF . . . . .	<b>5</b>
<b>Meet the Authors</b> . . . . .	<b>8</b>
<b>CosmoElements</b> – NEAR-Shoemaker at Eros . . . . .	<b>51</b>
<b>Society News</b>	
Meteoritical Society . . . . .	53
Deutsche Mineralogische Gesellschaft . . . . .	54
Société Française de Minéralogie et de Cristallographie . . . . .	55
European Association of Geochemistry . . . . .	56
The Clay Minerals Society . . . . .	57
International Association of GeoChemistry . . . . .	58
Japan Association of Mineralogical Sciences . . . . .	59
Association of Applied Geochemists . . . . .	60
Società Italiana di Mineralogia e Petrologia . . . . .	61
Mineralogical Society of Great Britain and Ireland . . . . .	62
Mineralogical Society of Poland . . . . .	63
Mineralogical Society of America . . . . .	64
Geochemical Society . . . . .	66
Mineralogical Association of Canada . . . . .	68
<b>Calendar</b> . . . . .	<b>69</b>
<b>Parting Shots</b> – Black Swans . . . . .	<b>70</b>
<b>Advertisers in This Issue</b> . . . . .	<b>72</b>

