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———, “‘Sassy’ Chatbot Wins with Wit” [In the News], Jan./Feb., pp. 6–7.
———, “These Computers Know How You Feel” [In the News], May/June, pp. 104, inside back cover.
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———, “Fly, But Not Like an Eagle” [A Letter from the Editor], Jan./Feb., pp. 2–3.

———, “Introducing the Future of AI” [A Letter from the Editor], May/June, pp. 2–4.

———, “A Postcard from the Editor” [A Letter from the Editor], Sept./Oct., p. 2.

———, “Push Singh (1972–2006)” [In Memoir], May/June, p. 15.

———, “Revising Our Mission” [A Letter from the Editor], Mar./Apr., pp. 2–3.


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———, “Intelligent Surveillance Empowers Security Analysts” [In the News], May/June, pp. 102–104.

———, “Machine Translation Inching toward Human Quality” [In the News], Mar./Apr., pp. 4–6.

———, “Microsoft Tries to Kick-Start the Age of Smart Robots” [In the News], Sept./Oct., pp. 5–6.

———, “Phonetic-Sequence Algorithm Could Reduce Drug Name Confusion” [In the News], July/Aug., pp. 6–7.

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Schlieder, Christoph, Peter Kiefer, and Sebastian Matyas, “GeoGames: Designing Location-Based Games from Classic Board Games” [Intelligent Systems for Interactive Entertainment], Sept./Oct., pp. 40–46.


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———, “Practical Pattern Matching” [In the News], Jan./Feb., pp. 4–6.
———, “These Computers Know What You’re Thinking” [In the News], Sept./Oct., pp. 3–5.
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