

# IEEE Spectrum

THE MAGAZINE OF TECHNOLOGY INSIDERS

7.10

HOW A LITTLE COMPANY IN POLAND MAKES THE SEMICONDUCTOR INDUSTRY'S **HOT NEW ROCK**

# The Crystal That Will Change Everything

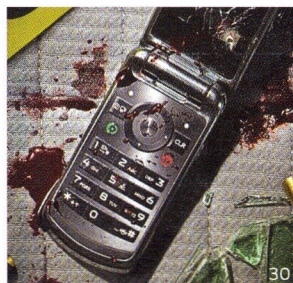
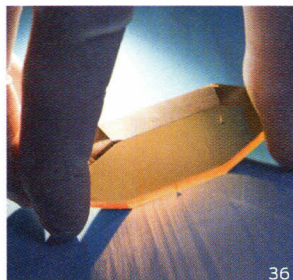
THE TROUBLE WITH **MULTICORE MICROPROCESSORS**

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## UPDATE

### 9 COMPUTING THE CAVEMAN

New software helped discover ancient humans' amour with Neanderthals. *By Prachi Patel*

### 10 DANGER-SENSING DRIVER'S SEAT

### 12 WIMAX AND SMART GRIDS

### 13 THE ROBOT BABY REALITY MATRIX

### 14 Z-RAM TAKES ON DRAM

### 16 THE BIG PICTURE

That's one small step for a man....

## OPINION

### 6 SPECTRAL LINES

The FCC's rules for tinkerers need an update. *By David Schneider*

### 8 FORUM

Do you copy? Here's reassuring news about letting it rip—ripping music to CDs, that is.

### 23 REFLECTIONS

As computers get better and better, does our attachment to them get less and less? *By Robert W. Lucky*

## DEPARTMENTS

### 4 BACK STORY

Lego bricks are this New York City sculptor's muse and medium.

### 5 CONTRIBUTORS

### 18 HANDS ON

With the addition of a simple webcam, a cheap microscope is as good as the pricey ones. *By James Turner*

### 20 GEEK LIFE

In his spare time, software engineer John Rogers presides over one of the world's largest and strangest conventions. *By Susan Karlin*

### 21 CAREERS

The employment outlook for engineers isn't great, but it's not bad—especially in aerospace, energy, and Europe. *By Prachi Patel*

### 22 TOOLS & TOYS

Alienware doesn't do anything by halves—including its new turbo-charged game-playing netbook. *By Harry Teasley*

### 52 THE DATA

U.S. customers pay some of the highest—and lowest—mobile phone rates in the world. *By Dana Mackenzie*

COVER:  
PHOTO: ROBERT LASKA

ABOVE, CLOCKWISE  
FROM LEFT: HARRY  
CAMPBELL, ROBERT  
LASKA, DAN SAELINGER,  
HOLLY LINDEM,  
LEGO SCULPTURE BY  
NATHAN SAWAYA

## COVER STORY

# 36 THE WORLD'S BEST GALLIUM NITRIDE

A small Polish company has established a huge technical edge by building a sine qua non of semiconductor manufacturing: nearly perfect crystals of gallium nitride. *By Richard Stevenson*

## 24 THE TROUBLE WITH MULTICORE

When chipmakers started building multicore microprocessors, the already-tough job of software development became much tougher. *By David Patterson*

## 30 CELLPHONE CRIME SOLVERS

These days, clues to a crime often hide within cellphones. But extracting this valuable information is tricky. *By Richard P. Mislán*

## 42 FROM BRICKS TO BITS

With *Lego Universe*, a new online game, the Danish toy company is looking to remake its venerable building brick for the digital age. *By David Kushner*