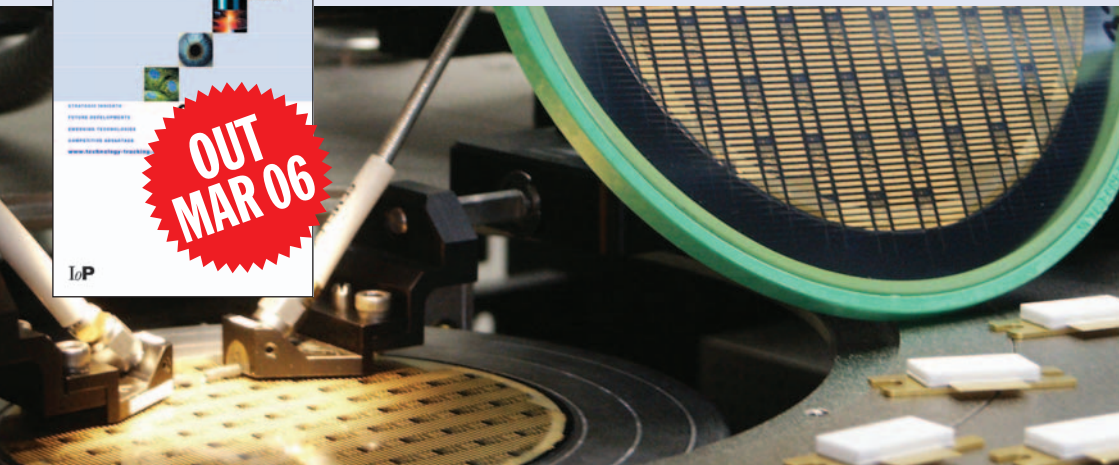


Emerging Markets for GaN Electronics



A new Technology Tracking report from
Institute of Physics Publishing



Emerging Markets for GaN Electronics will provide you with an in-depth analysis of the challenges facing GaN device makers as they seek to develop commercial products that can deliver the price and performance needed to compete with existing RF technologies.

Are you a decision maker in one of the following organizations? This report contains crucial information for you.

- manufacturers/suppliers of GaN materials, devices, circuits and modules
- semiconductor equipment manufacturers
- manufacturers/suppliers of microwave and millimetre-wave components and subsystems
- manufacturers of wireless infrastructure for cellular and WiMAX services
- defence and aerospace contractors
- satellite equipment manufacturers
- investment houses
- public/private funding organizations

Give your company the competitive edge – order your copy of *Emerging Markets for GaN Electronics* today to gain an unrivalled insight into the commercial opportunities for this exciting technology.

What will I learn?

Emerging Markets for GaN Electronics offers a unique insight into the latest technical advances and commercial opportunities for GaN electronics and provides an informed assessment of the applications that offer serious growth potential.

Chapter 1: Introduction

A review of material properties and device characteristics that enable GaN technologies to deliver more power and greater efficiency than other semiconductor solutions.

Chapter 2: High-performance devices and circuits

GaN devices grown on silicon carbide deliver record-beating performance for the most demanding applications. You can review the latest performance metrics for devices and circuits, and analyse the cost and reliability issues that still remain.

Chapter 3: Commercial devices and circuits

Growing GaN structures on silicon substrates allows you to harness the power performance of GaN at a more attractive price. Commercial products are starting to emerge, but do they offer the performance needed to compete with existing solutions?

Chapter 4: Emerging low-cost technologies

Alongside GaN-on-silicon a number of organizations are developing alternative low-cost technologies for GaN devices and modules. Examine the performance and cost metrics of some of the most promising.

Chapter 5: Addressable markets

Which applications will drive the volumes needed to bring prices down? A number of commercial and defence applications are now emerging, ranging from cellular and WiMAX infrastructure to satellite communications.

Chapter 6: Market evolution

GaN manufacturers must translate promising device performance into reliable and practical products that can be produced in high volumes. Examine the key challenges, including reducing the price, manufacturability on larger wafer sizes, and greater integration of GaN devices into circuits and modules.

To order, tel: +44 (0)117 930 1034; fax: +44 (0)11

For GaN Electronics

Why do I need the report?

Emerging Markets for GaN Electronics provides an authoritative and comprehensive review, combining core content about the latest technical innovations with hard-hitting commentary on the strategies that can be adopted by you and your organization to achieve real success in the commercial marketplace. It will enable you to:

- keep up to date with the latest developments;
- identify the key opportunities for investment in product development and manufacturing;
- build successful commercial strategies based on reliable information;
- give yourself the competitive edge with competitive product placement and strategic planning;
- share the information with your colleagues easily (the report will be supplied in electronic format);
- get your money back if you are not entirely satisfied – just let us know within 30 days and we will refund your payment.

“The information contained in the report has not previously been made commercially available, so access to this knowledge represents serious differentiation for you and your organization.”

Susan Curtis, Editor, Technology Tracking reports

About the publishers

Technology Tracking reports were developed to provide industry professionals with a strategic insight into rapidly evolving technologies that could generate new revenue streams and sustainable growth opportunities for their organizations. Each report brings together in-depth analysis of the latest technical advances and their consequences for the commercial marketplace – essential information for making informed decisions about the technology options that will shape your future business development.

IoP

Institute of Physics Publishing is one of the world's pre-eminent science and technology publishers, whose portfolio includes *Compound Semiconductor*, *LEDS Magazine* and *Opto & Laser Europe*.

Emerging Markets for GaN Electronics

SPECIAL OFFER:

Buyers of *Emerging Markets for GaN Electronics* can purchase the following related report at half price.

Commercial Applications for Millimetre-Wave MMICs.

Extending MMIC technology to millimetre-wave frequencies has emerged as a crucial strategy for device and subsystem manufacturers. The challenge will be to deliver packaged and tested millimetre-wave modules that deliver the right performance at the right price. This report, published in January 2005, will provide you with vital information about the markets opening up for millimetre-wave technology. More details can be found at www.technology-tracking.com. (Published price £595/\$995/€795.)

EITHER: I would like to order *Emerging Markets for GaN Electronics* only.

£495 \$895 €710

OR: I would like to order *Emerging Markets for GaN Electronics* and include the discounted report *Commercial Applications for Millimetre-Wave MMICs*.

~~£1090~~ £792 ~~\$1890~~ \$1392 ~~€1505~~ €1107

My details are

Name	Job title
Company	Department
Address	
Country	Postcode
Tel.	Fax
E-mail	CODE: ABC

With our 30-day money-back guarantee you have nothing to lose. If you are not entirely satisfied with the report within 30 days, we will refund your payment in full.

How would you like to pay?

Please charge my credit/debit card: Mastercard Visa Amex

Card number

Expiry date /

Signature

Date

I enclose a cheque made payable to IOP Publishing Ltd.

Please invoice me/my company at the address above.

Where to send your order

Post: Technology Tracking, IOP Publishing Ltd, Dirac House, Temple Back, Bristol BS1 6BE, UK.

Tel: +44 (0)117 930 1034 Fax: +44 (0)117 930 1178 E-mail: jenny.brown@iop.org

IOP Publishing Ltd may write to you about other services and products that may be of interest. Tick this box if you do not want to receive such information. Tick this box if you do not want to receive such information by e-mail. IOP Publishing Ltd may occasionally pass your details on to other reputable companies whose products and services may be of interest. Tick this box if you do not want to receive such offers.