

## Preface

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## Executive summary

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## 1 Introduction

### 3 Evolution of AI patent applications and scientific publications

The past, present and future of AI: what research and innovation trends can reveal; the data used in this report and how it is analyzed; and a scheme for categorizing AI technologies.

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## 2 Trends in artificial intelligence

Overall trends emerging from the data and analysis of changes over time, by region and industry and the most prominent entities.

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## 4 Key players in AI patenting

The top applicants for AI patents: how companies and universities/public research organizations compare, which entities are most active in each area and where they are filing.

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## 5 Geography of patent filings

Comprehensive analysis of geographical trends, based on the offices where patents are filed, including both first and subsequent filings.

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## 6 Market trends related to AI

Analysis of the use of AI technologies: data on acquisitions, funding, open source and patent litigation and oppositions.

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## 7 Key issues arising from AI and policy responses

Views from AI experts on the key policy and regulatory issues raised by AI applications, plus examples of policies proposed or enacted in various jurisdictions.

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## 8 The future of AI and the IP system

The opportunities presented by AI for business, society and culture, and how AI and IP rights interact with each other in the promotion of innovation.

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## Selected AI categories and terms

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