INTRODUCTION

1 Artificial Intelligence in Our Legal System
By Judge John C. Allen IV
The rulings and decisions made by judges regarding artificial intelligence (AI) will have a lasting impact on the growth of this technology. Authors in this issue of The Judges’ Journal provide a foundation of knowledge about the developing technology and explore the ethical questions involved with the use of AI.

FEATURES

WAYMAKER

4 Judge Frank Sullivan Jr.
By Judge John E. Sparks Jr.
Judge Frank Sullivan Jr. turned his passion for politics into a career in law, first working in private practice and then being appointed to the Indiana Supreme Court. In his decades of legal service, Sullivan authored nearly 500 opinions, has continued to inspire as a beloved professor of law, and has advanced the legal profession with his legendary commitment to diversity.

6 A Call to Action: Litigating and Judging Artificial Intelligence Cases
By Michael Arkfeld
Artificial intelligence (AI) is the new technology gorilla in the room. Arkfeld defines AI and discusses possible ethics and court sanctions for failing to understand AI, abusive AI, and factual and legal issues in judging and litigating AI cases.

12 Here There Be Dragons—The Likely Interaction of Judges with the Artificial Intelligence Ecosystem
By Fredric I. Lederer
The AI Ecosystem is unchartered territory that is still being developed and leaves much to be explored. As AI progresses, judges increasingly will be dealing with issues that result from this relatively new technology.

16 Artificial Intelligence: Now Being Deployed in the Field of Law
By Judge Willie J. Epps Jr. and Jonathan M. Warren
The relationship between AI and the courts presents incredible possibilities, and AI is already being used in a variety of government agencies. However, judges must understand the technology and be aware of the pitfalls to avoid.

20 Artificial Intelligence: From Law Office to Administrative Proceedings
By Judge Paul Armstrong
AI will undoubtedly become integrated in decision-making by administrative agencies in the future. However, the risk of algorithmic bias and/or discriminatory patterns in training data may make it necessary that an appeal to human decision-makers be legally required of any AI-aided decision.
Imagining an AI-Supported Self-Help Portal for Divorce
By Alan Carlson
While many do-it-yourself legal services already exist online, imagine a portal that allows self-represented litigants to take their case from start to finish, in this case, for a divorce.

Artificial Intelligence Stepping into Our Courts: Scientific Reliability Gatekeeping of Risk Assessments
By Judge Stephanie Domitrovich
Judges and lawyers have a responsibility to act as gatekeepers of scientific reliability in the courtroom, which involves understanding the validity of risk assessment tools. Judge Domitrovich offers several best practices judges can use to validate risk assessments.

Self-Regulation in the Big Data and AI Space
By John Villafranco
Villafranco highlights excerpts from the ABA Antitrust Section’s report Artificial Intelligence & Machine Learning: Emerging Legal and Self-Regulatory Considerations. In doing so, he asks: Is society able to gain anything from the immense collection of data being compiled about consumers and businesses?

What Judges and Lawyers Should Understand About Artificial Intelligence Technology
By Judge Herbert B. Dixon Jr. (Ret.)
Judge Dixon discusses artificial intelligence (AI) developments and reminds us that the value and utility of the AI results are dependent on the data and information used to generate those results.

AI and a Judge’s Ethical Obligations
By Marla N. Greenstein
While artificial intelligence may help provide streamlined access to justice, free from human bias, it cannot replace human judgment and the intelligence that judges must have to adequately deliver justice.