



## Raffaello D'Andrea

Embark on a journey through the innovative world of Raffaello D'Andrea, founder of groundbreaking ventures, a visionary melding technology and art. From academia to entrepreneurship, he redefines the capabilities of autonomous systems and robotics, transforming not just industries but also the very way we perceive technology. If you're seeking unparalleled expertise, hire Raffaello D'Andrea to revolutionise your projects.

### KEY TOPICS

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- Machine Learning and the Internet of Things
- What Autonomous Systems are Capable of
- When Flying is Cheaper than Standing Still

### BIOGRAPHY

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## Raffaello D'Andrea: Bridging Realms with Robotics, Art, and Autonomous Systems

[Raffaello D'Andrea's](#) career stands as a testament to what happens when brilliant creativity intertwines with advanced technology. Raffaello D'Andrea's career seamlessly merges academics, groundbreaking entrepreneurial ventures, and artistic pursuits, showcasing contributions to **dynamic systems**, autonomous systems, and robotics that are nothing short of revolutionary. His work reflects the innovation of a robotics and logistics company while inspiring the development of fully autonomous robots. Additionally, D'Andrea's efforts highlight the potential of building creative experimental platforms, exploring distributed control systems, and fostering multidisciplinary team projects that push the boundaries of engineering science and what technology can achieve. As a **new media artist**, his research **redefines** the relationship between art and technology, blending these fields to create cutting-edge systems.

## Academic Luminary and Autonomous Systems Pioneer

At the heart of D'Andrea's work is a profound commitment to expanding the capabilities of autonomous systems. As a former assistant professor at Cornell University, part of the renowned **Cornell faculty**, his [research](#) in systems engineering programmes and computer science has continually pushed the boundaries of what we believe machines can do. His dedication to hands-on experience and foundational principles, grounded in disciplines like electrical engineering, has not only propelled his research forward but has also inspired a new generation of thinkers and innovators. Additionally, D'Andrea, a founding member of several pioneering initiatives, has collaborated with ETH Zurich (the Swiss Federal Institute of Technology) and the California

Institute of Technology (Caltech), further solidifying his reputation as a global leader. He has also been recognised by the U.S. National Academy of Engineering and received top distinctions during his studies at the University of Toronto and Caltech, with the support of faculty advisors who have guided him through his academic journey.

## Entrepreneurial Ventures: Merging Innovation and Practical Application

D'Andrea's theoretical acumen is matched by his entrepreneurial spirit, evidenced by his foundational role in several high-impact tech companies. As a co-founder and chief technical advisor, he co-founded Kiva Systems (now Amazon Robotics), a groundbreaking robotics and logistics company that transformed logistics and intelligent automated warehouse systems globally. His later venture, Verity, ensures safety and efficiency in autonomous systems, providing technology that has been integral for companies across various industries. **As a sought-after expert among world-secure speakers**, he shares insights on innovation and technology that inspire audiences worldwide. Recognised for his innovations, he has also earned accolades such as an automation award for his contributions to systems architecture as a system architect.

## Beyond Technology: A Journey into Artistic Robotics

Not confined to traditional applications, D'Andrea's passion projects lie at the intersection of technology and art. As a new media artist, his dynamic installations, such as the balancing cube and robotic chair, have been displayed worldwide, encapsulating his vision of a world where technology complements cultural and artistic expression. These pieces are not just art; they are conversations—between viewer and machine, creator and creation. Some of his works, including blind juggling machines and Flight Assembled Architecture, have been showcased in prestigious venues like France's FRAC Centre and the Venice Biennale and are part of esteemed permanent collections globally. His exploration also includes a flying platform consisting of intricate, synchronised components that push the boundaries of what technology and art can achieve together, often informed by insights drawn from his **own scientific experiments**.

## Transforming Hands-on Experiments into Lifelong Passion

From childhood, D'Andrea's life was a series of experiments, sometimes hazardous, always enlightening. These early explorations laid the foundation for his innovative spirit, propelling him through an illustrious academic and entrepreneurial career. From understanding aerodynamics via makeshift parachutes to exploring chemical reactions with household items, D'Andrea's curiosity knew no bounds. His passion extended to hands-on experiments and **dynamic systems**, blending very applied research with very theoretical research. Later, his involvement with the Cornell robot soccer team exemplified his dedication to cutting-edge research, solidifying his reputation as a pioneer guided by **fundamental principles**. Additionally, his role as a **faculty advisor** further highlighted his commitment to mentoring and fostering innovation.

## Impactful Contributions and Recognitions

**Raffaello D'Andrea's** journey, marked by prestigious awards and global recognition, reflects his relentless pursuit of knowledge and transformation. His accomplishments include accolades like the Automation Award and victories in international RoboCup competitions, where his teams have claimed four world championships.

His commitment has rippled across academia, industry, and the arts, establishing him as a leading figure in each domain. Notably, his work in the Flying Machine Arena and contributions to the Distributed Flight Array showcase how his research redefines innovation in robotics and autonomous systems. When **Raffaello D'Andrea** speaks about his experiences, he often emphasises the transformative power of innovation and collaboration in achieving groundbreaking advancements. Through teaching and mentorship, D'Andrea invests in future innovators. His educational initiatives, whether leading world-champion robot soccer teams or pioneering research programmes, highlight his dedication to fostering talent and intuition in emerging engineers. His efforts align with those of similar motivational celebrity speakers, often regarded among the best keynote speakers for inspiring future generations. D'Andrea's business achievements, including the success of companies like Kiva Systems and Verity, underscore his skill in bringing visionary ideas to market. His artistic works, celebrated in galleries and exhibitions globally, including the National Gallery, speak to his multifaceted talents and his ability to transcend the conventional boundaries of technology.

## Experience the World of Raffaello D'Andrea

Immerse yourself in the mind of Raffaello D'Andrea, a visionary who defies the limits of technology and art. By scheduling Raffaello D'Andrea to speak, you open the door to a world where autonomous systems are not just functional tools but also instruments of artistic expression. Host Raffaello D'Andrea and discover how his insights, often showcased in Raffaello D'Andrea videos, can illuminate untapped potentials in technology, creativity, and business strategy. **Our streamlined talent booking process for speakers makes it easy to arrange impactful events.** [Contact us](#) to learn more about the talent booking process, including speaker fees, and reserve an inspirational session with one of the world's most sought-after speakers.