



Charles Lee Mauro CHFP

President / Founder Mauro Usability Science (1975-Present)
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Leading expert in Industrial Design and Human Factors Engineering. Certified Human Factors Engineering Professional (BCPE). Over 40 years of experience as a consulting and testifying expert for leading clients and have testified in over 75 major product design and GUI design patent, utility patent, copyright, and trade dress cases.

Summary Of Background and Experience

- Bachelor of Science in Industrial Design from Art Center College of Design (With Distinction)
- Master's Degree in Ergonomics from New York University (NIOSH Research Fellow)
- Certified Human Factors Engineering Professional by the Board of Certification in Professional Ergonomics
- Chair of Industrial Designers Society of America (IDSA) Design Protection Section (2010-present)
- Primary IDSA representative for content development and presentations at USPTO events
- Founder and lecturer USPTO Examiner Afternoon yearly session (2010-Present)
- Major speeches delivered at international conferences, leading academic institutions and government agencies including MIT, Stanford, UPenn, UC Berkeley, the FDA, USPTO Design Day, NASA and other leading entities.
- Primary coordinating author on 2 amicus briefs on the value of design submitted to the Federal Circuit and The Supreme Court.
- Named inventor on numerous primary GUI design and utility patents

Areas Of Expertise

- Ergonomics
- Human Factors Engineering
- Product Design
- Biomechanics
- Industrial Design
- Design Research
- GUI Design (Complex)
- Web Interface Design
- User Needs Analysis
- Usability Testing
- FDA-Focused HFE Testing
- Consumer Decision-Making
- Warnings and Instructions
- Expert Witness Services
- Neuroscience-Based Design Research
- Shape Perception Science

Specialized Litigation Consulting Services

- Pre-Complaint Rapid Infringement Assessment
- Prior Art Research and Analysis (Unconventional Sources)
- Consumer Research for the Ordinary Observer Test
- Design Patent Damages Research and Strategy
- Consumer Research for Copyright Infringement Analysis
- Specialized Trial Visual Aid and Demonstration Development
- Trial Narrative Testing
- Design Change Analysis to Reduce Possible Infringement

[\(Visit website for details\)](#)

Product Category Experience

- Consumer Products & Electronics
- Home Appliances
- Process Control Applications
- High-risk Commercial Systems
- Hand-Held Products/Devices
- Financial Service Products
- Military Systems
- Medical Products/Devices
- Virtual Worlds
- Instructions for Use
- Website/Online Delivery of Information
- Gaming Devices
- Industrial Products and Systems
- Ergonomic Workstation Optimization
- Complex Data Visualization
- Many others ([Visit website for more](#))

Major Clients

- Apple, Inc.
- Dyson, Inc.
- Qualcomm
- Microsoft Corporation
- Nike, Inc.

Major Awards and Citations

- IDSA Personal Achievement Award
- Stanley H. Caplan User-Centered Product Design Award
- Alexander C. Williams Award
- ACM Interactions Interface Award
- NASA Outstanding Service Award
- Emmy Award