

Organization of Scientific Area Committees (OSAC)

Forensic Science Standards Board (FSSB)

Legal Resource
Committee (LRC)

Quality Infrastructure
Committee (QIC)

Human Factors
Committee (HFC)

SAC
Biology/DNA

SAC
Chemistry/
Instrumental Analysis

SAC
Crime Scene/
Death Investigation

SAC
IT/Multimedia

SAC
Physics/Pattern

DNA Analysis Sub1

DNA Analysis Sub2

Wildlife Forensics Sub

Controlled Substances Sub

Fire Debris and Explosives
Sub (lab)

Geological Materials Sub

Gunshot Residue Sub

Materials (Trace) Sub

Toxicology Sub

Anthropology Sub

Disaster Victim
Identification Sub

Dogs and Sensors Sub

Fire Scene and
Explosives Sub

Medical/Legal Death
Investigation Sub

Odontology Sub

Facial Identification Sub

Imaging Technologies Sub

Speaker Recognition Sub

Blood Stain Pattern
Analysis Sub

Friction Ridge Sub

Firearms & Toolmarks
Sub

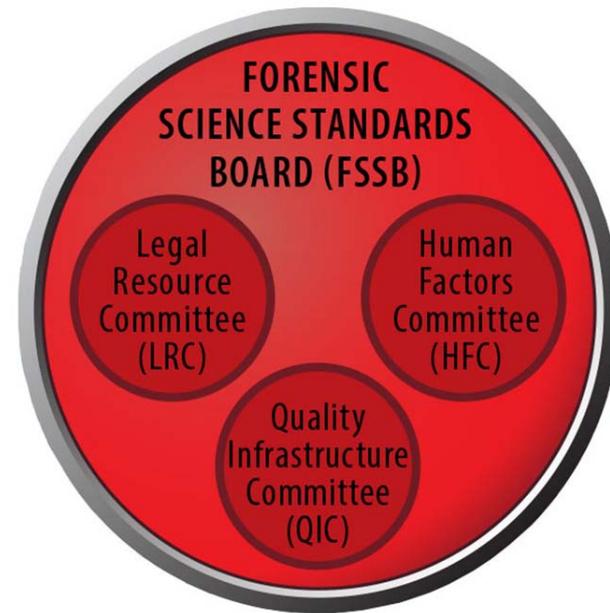
Footwear
& Tire Tread Sub

Questioned Documents
Sub

SAC = Scientific Area Committee
Sub = Subcommittee

Organization of Scientific Area Committees

- On June 26, NIST announced membership of Forensics Science Standards Board
- On July 17, NIST announced selection of 35 members to serve on the OSAC Forensic Science Board's Resource Committees



The [Human Factors Committee](#) will provide guidance on how systems design influences human performance, on **how to minimize cognitive and confirmation bias**, and on **how to mitigate errors in complex tasks**.

The [Legal Resource Committee](#) will review and provide a **legal perspective on proposed standards**.

The [Quality Infrastructure Committee](#) will assemble and **update a Forensic Science Code of Practice**, provide guidance on quality issues, and provide impact statements that inform agency management about how specific standards may affect laboratory operations. It will also work with outside standards development organizations and accrediting bodies as needed

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NIST Centers of Excellence (COEs)

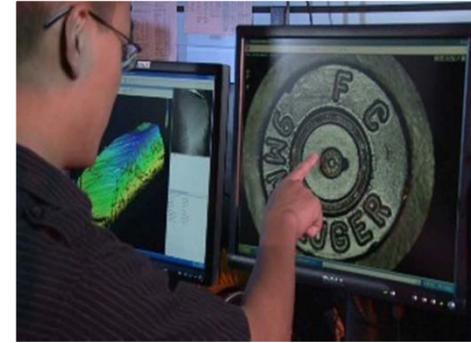
- NIST Centers of Excellence program objectives:
 - Assist NIST in meeting its mission needs in new or expanding areas of strategic focus, and provide opportunities for NIST to engage with experts.
 - Enable NIST to better leverage existing areas of research expertise.
 - Accelerate innovation through earlier alignment of measurement science in new areas of research and technology.
 - Foster the development of expertise in measurement science for students and early-career scientists and engineers.
 - **Expand NIST's geographic foot print**
- FY2013 appropriations supported first NIST COE on advanced materials.
 - On May 8, inaugural meeting between CHiMAD and NIST leadership and technical experts



CHiMaD

Program Update: Centers of Excellence

- **NIST FY2014 appropriations include \$8M for the COE program. We will establish new Centers of Excellence in:**
 - **Forensic Science**
 - developing probabilistic methods to support the forensic science disciplines, focusing on Pattern and Digital Evidence
 - develop training tools for practitioners and non-practitioners
 - **Disaster Resilience**
 - developing integrated, systems-based community infrastructure resilience computational models
 - would also develop a data management infrastructure, tools and best practices to improve disaster and resilience data collection



Credit: NIST

