SUMMARY
- Multi-layered protective garment is resistant to water, wind, heat, rain, flame, chemicals, weapons, and fade and abrasion
- Outer toxicity barrier layer guards against blood and chemicals, and contains UV-light activated fibers that quickly indicate the presence of toxins
- Middle impact layer has bulletproof resistance with elastic properties including integrated coils, links, and springs, that protect against projectiles and blades
- Inner absorbent layer soaks up fluids from the wearer, such as sweat, while repelling external fluids like rain and toxins
- All layers are bonded into a coherent textile surface that allows for breathability and vapor permeation to maintain wearer comfort and easy of movement

BACKGROUND
Emergency responders, such as Emergency Medical Technicians (EMT’s), are often called into hazardous and unknown environments where they can encounter threats including weapons, gunfire, contaminants, and toxic substances. Conventional emergency responder uniforms offer little protection from these potential dangers, and can even hinder performance, as they are often bulky, heavy, and difficult to identify.

The Comfortable, Operational, Reliable and Awareness focused (CORA) uniform utilizes multiple layers to protect against an extensive array of likely threats faced by emergency responders. Additionally, it can be manufactured in standard color schemes to help

ADVANTAGES
- Uniform is appropriate for all seasons and weather
- Constructed from high quality materials including a blend of elastic, strong soft cotton nanofabrics, and minimal care cloth stock
- Uniforms are brightly colored, attractive, durable, and wash-iron free
- Employs factory sealed seams, zippers, random scaling index, a life-saving accessories backpack and/or pockets
- Garment areas prone to movement, such as elbow and knees, include specialized structure to accommodate stress concentration
- Available in a wide range of sizes (unisex?)
- Can be produced with a common and accepted color scheme to distinguish different kinds of emergency responders
- Suitable for first responders of all kinds, includ-