

A red fire truck is the background of the slide. On the front bumper, there is a yellow fire helmet with 'E-102' on it, a pair of orange and yellow gloves, and a brown fire jacket. The truck has '102' written on its side.

Training for Failure:

Understanding why the way
first responders are trained must change.

Dr. Richard B. Gasaway

Chief Scientist

Public Safety Laboratory

Where brain science meets public safety

Situational Awareness Matters

www.SAMatters.com

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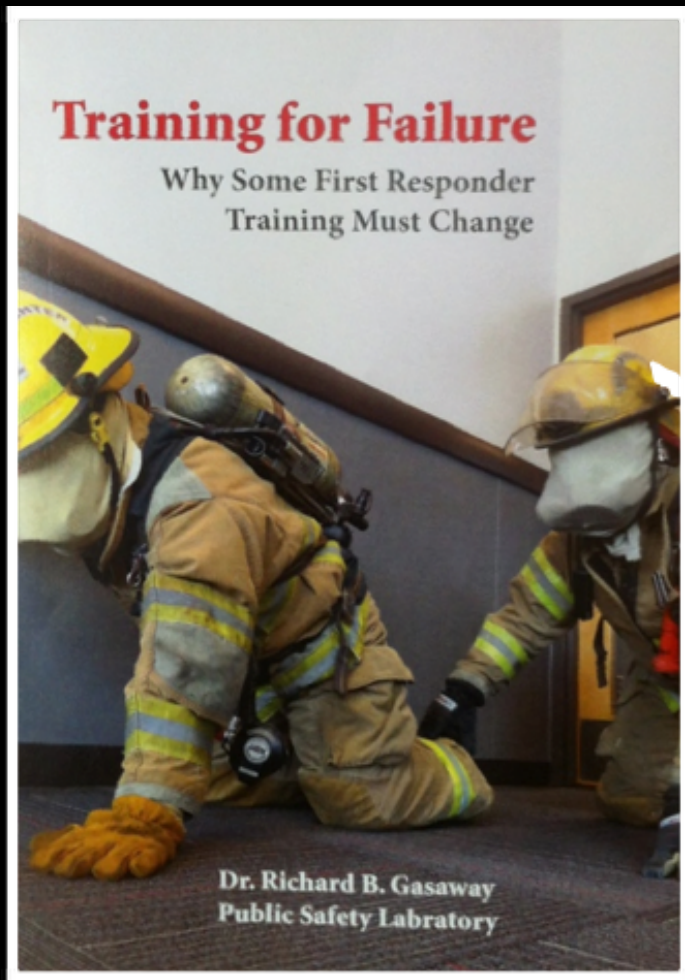


If you are interested in
hosting a program
please contact
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This program is available
as a 3 part DVD series.

If you are interested in
purchasing it:

Click the “store” link on the
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Root Cause Analysis

Some first responders do some
really DUMB things.

Dumb:

Lacking intelligence;

Seemingly unable to reason
through a situation;

Appearing to think
or act irrationally.

Does it appear as though some
first responders do dumb things under stress?

Are responders doing dumb
things under stress...
that result in casualties...

ON PURPOSE?

Is it possible that a responder
could be accidentally dumb?

Unconscious Incompetence

A condition of being unaware of
your own shortcomings.
(Not knowing any better)

Training develops two
types of memory.

How can you improve
both memory and recall?

Repetition

Memory Prompts

(Improve cognitive recall)

ABCs...
PQRST...
SAMPLE...
RECEO-VS...
LUNAR...
CAN...

Drugs can also improve
memory & recall.

Norepinephrine

Serotonin

Dopamine

Stress & Emotions!

Rehearsal

Practice makes...

Routines

Conditioned Responses

(A stimulus evokes a response.)

Stress induces automatic habitual performance.

Automatic Performance (robotic action)

Subconscious Programming

Acting...

Without
Thinking.

Muscles learn from
muscle movement.

Vision trumps all other senses.

Mirror Neurons

Sleep well...
Think well.

The brain has a difficult time
separating fiction from reality.

Flashover

Structural Collapse

Situational Awareness

Decision Making

Thinking Firefighters

OODA Loop

Go or No-Go

Hoseline selection

Ventilation Drill

Every building on fire is in the
process of falling down.

The LP Gas Christmas Tree Drill

The Patient Care Drill

The Blind Search Drill

The judging brain is
not a learning brain.

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Situational Awareness
Best Practices



Dr. Richard B. Gasaway

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Situational Awareness Matters!

Helping you see the bad things coming...
in time to change the outcome.

If I can help you in any way, please contact me:

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