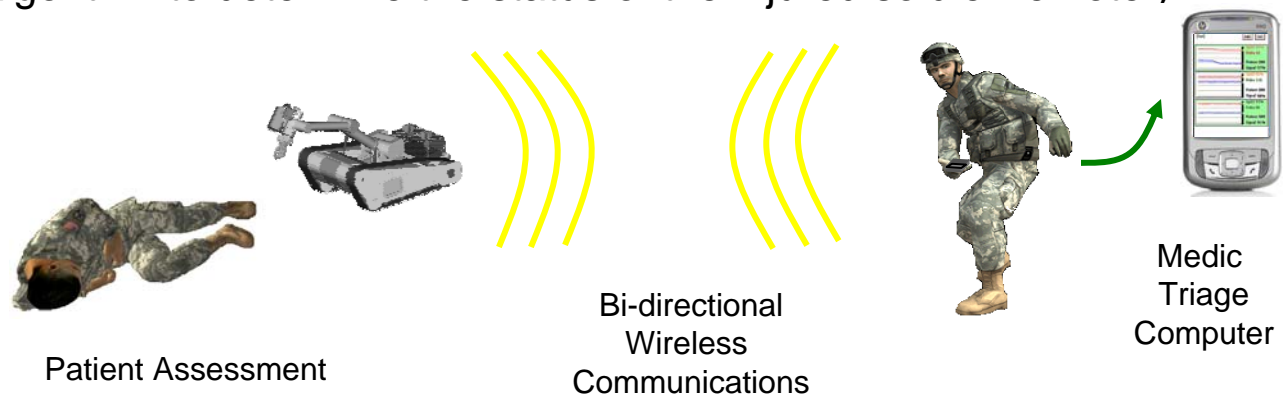


Remote Robotic Triage

- **Problem**: Medics routinely leave cover to attend to battlefield casualties which places them at risk of coming under fire and becoming casualties themselves. The death rate for medics is substantially higher than that of regular infantrymen.
- **Solution**: PERL Research is developing an automated robotic triage system which consists of intelligent software and sensors – optimally integrating a medic's assessment with an artificial intelligence decision algorithm to determine the status of the injured soldier remotely.



Benefit: The system allows the medic to perform an assessment of the injured person before risking their own life. Basic patient assessment capability includes:

- if he is alive or dead.
- if he has life threatening injuries that must be treated immediately to prevent death on the battlefield
- if he has injuries (such as spinal injury) that could be further aggravated by robotic extraction without appropriate precaution.

Detailed assessment includes triage category, Glasgow coma score (GCS), standoff vital sign detection.