



# GDSP, BFLY, OKNO Troika

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# Foundations

- GDSP - system modeling, numerical analysis, algorithm development, data reduction
- BFLY - easy control of distributed computing
- OKNO - massive distributed, shared, object repository

# GDSP - GigaDSP™

- Used to develop world's first 10 Gbps radio LAN at 140 GHz (Asyrmatos, Inc)
- Publication quality graphics
- LiveWire™ simulations
- Planning for 40 Gbps at 240 GHz
- Hardware in the Loop (HIL)

# BFLY - Butterfly™

- Best ideas of Erlang brought to most powerful language Lisp
- Simple to produce programs that run on any distribution
- Lisp permits any mixture of FPL and Imperative programming styles

# OKNO - Okeanos™

- Powerful, fast, shared, distributed Object Store
- Uses advanced memory mapping from underlying OS
- Unlimited size and number of objects
- OID's include time and identity of originator
- Exabyte+ individual file size limits
- Self-reliant object storage

# Combined Systems

- Very powerful distributed data acquisition, control, analysis
- Long-term storage of data for offline analysis
- Easy distribution of computations across entire networks of cooperating servers