

farbot's FIFO

- Supports all 16 variants
- Most general variant is 60% slower than boost's fifo
 - 5x faster than naïve solution (i.e. single producer, single consumer with spin locks)
- Other variants are comparable in speed with boost's fifo
- All variants are TSAN compatible (no false positives)

Alexander Krizhanovsky: <http://natsys-lab.blogspot.com/2013/05/lock-free-multi-producer-multi-consumer.html>

callAsync

- Defer non-realtime safe processing to non-realtime thread

```
callAsync([] () { std::cout << "Hello World!" << std::endl; });
```

- Lambda will be executed on non-realtime thread
- callAsync is realtime safe (even if lambda isn't)
- Moving your lambda must be realtime safe!