Serverless increases programmer productivity, offers seemingly infinite scalability

Interest from different domains
- **Edge-Triggered** applications: e.g. Web apps, backends, data preprocessing
- **Massively Parallel** applications: e.g. MapReduce, Stream Processing

Serverless offers cost benefits: 20¢ per 1M lambda requests
- Ex-Camera [NSDI’17] serverless video encoding is 60x faster and 6x cheaper than VM based (serverful) solution.

Interest in serverless computing will rise. For a viable service:
- **Efficient** resource usage @ scale is important for the provider
- **Reasonable** performance is important for the user

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