



Max Planck Institut for Software Systems

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http://www.mpi-sws.org/~gummadi/pictures/gummadi_new.jpg

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Max Planck Institute for Software Systems (MPI-SWS)

I am broadly interested in the areas of networking and distributed systems. My research is motivated by the growing complexity (scale, heterogeneity, and distributed control) of today's networked systems. My projects focus either on understanding how well existing systems work in practice or on building new systems. We use a combination of measurement, analysis, design, and implementation methodologies to achieve our goals.

Current Research Projects:

Online Social Networks:

Online social networking sites like Facebook and Twitter have become extremely popular for finding and connecting to friends and for sharing and retrieving content. Our broad research agenda includes (a) understanding the structure and evolution of social network graphs, (b) understanding how content and information propagates through social networks, (c) leveraging social networks for building better information sharing systems (i.e., better search results and content recommendations as well as filtering unwanted communication and content), and (d) building scalable infrastructures for supporting social networking sites and their workloads.