

## Publications

### S. Masoud Sadjadi

Software Engineering and Networking Systems Laboratory  
Department of Computer Science and Engineering  
Michigan State University  
3115 Engineering Building  
East Lansing, Michigan 48824

Phone: (517) 285-1211

Email: [sadjadis@cse.msu.edu](mailto:sadjadis@cse.msu.edu)

URL: <http://www.cse.msu.edu/~sadjadis>

#### Archival Journal and Magazine Articles

- Philip K. McKinley, **S. Masoud Sadjadi**, Eric P. Kasten, and Betty H. C. Cheng. Composing adaptive software. *IEEE Computer*, pp. 56-64, July 2004. For more information, please refer to the technical report.
- P. K. McKinley, U. I. Padmanabhan, N. Ancha and **S. M. Sadjadi**, “Composable Proxy Services to Support Collaboration on the Mobile Internet,” *IEEE Transactions on Computers (Special Issue on Wireless Internet)*, pp. 713–726, June 2003.

#### Refereed Conference and Workshop Proceedings

- Z. Zhou, P. K. McKinley, and **S. M. Sadjadi**, “On quality-of-service and energy consumption tradeoffs in fec-enabled audio streaming,” In *Proceedings of the 12th IEEE International Workshop on Quality of Service (IWQoS 2004)*, Montreal, Canada, June 2004. Winner of the IWQoS 2004 best student paper award.
- **S. M. Sadjadi**, P. K. McKinley, “Transparent Self-Optimization in Existing CORBA Applications,” In *Proceedings of the International Conference on Autonomic Computing (ICAC-04)*, pp. 88–95, New York, NY, May 2004.
- **S. M. Sadjadi** and P. K. McKinley. “ACT: An adaptive CORBA template to support unanticipated adaptation,” In *Proceedings of the 24th IEEE International Conference on Distributed Computing Systems (ICDCS-24)*, Tokyo, Japan, March 2004.
- **S. M. Sadjadi**, P. K. McKinley, E. P. Kasten, “Architecture and Operation of an Adaptable Communication Substrate,” In *Proceedings of the Ninth IEEE International Workshop on Future Trends in Distributed Computing*, San Juan, Puerto Rico, pp. 46–55, May 2003.

- P. K. McKinley, **S. M. Sadjadi**, E. P. Kasten, and R. Kalaskar, “Programming Language Support for Adaptable Wearable Computing,” In *Proceedings of the Sixth International Symposium on Wearable Computers (ISWC 2002)*, Seattle, Washington, pp. 205–214, October 2002.
- P. K. McKinley, **S. M. Sadjadi**, and E. P. Kasten, “An Adaptive Software Approach to Intrusion Detection and Response,” In *Proceedings of the 10th International Conference on Telecommunication Systems, Modeling and Analysis*, Monterey, California, pp. 91–99, October 2002.
- P. K. McKinley, E. P. Kasten, **S. M. Sadjadi**, and Z. Zhou, “Realizing Multi-Dimensional Software Adaptation”, In *Proceedings of the ACM Workshop on Self-Healing, Adaptive and self-MANaged Systems (SHAMAN), held in conjunction with the 16th Annual ACM International Conference on Supercomputing*, New York City, NY, June 2002.
- Z. Yang, B. H.C. Cheng, R. E. K. Stirewalt, J. Sowell, **S. M. Sadjadi**, and P. K. McKinley, “An Aspect-Oriented Approach to Dynamic Adaptation,” In *Proceedings of the ACM SIGSOFT Workshop on Self-Healing Systems (WOSS02)*, Charleston, South Carolina, pp. 85–92, November 2002.
- E. P. Kasten, P. K. McKinley, **S. M. Sadjadi**, and R. E. K. Stirewalt, “Separating introspection and intercession in metamorphic distributed systems,” *Proceedings of the IEEE Workshop on Aspect-Oriented Programming for Distributed Computing (with ICDCS’02)*, Vienna, Austria, pp. 465–472, July 2002.

### Poster Summaries

- **S. M. Sadjadi**, P. K. McKinley, R. E. K. Stirewalt, and B. H.C. Cheng, “Generation of Self-Optimizing Wireless Network Applications,” In *Proceedings of the International Conference on Autonomic Computing (ICAC-04)*, pp. 310–311, New York, NY, May 2004.
- **S. M. Sadjadi**, P. K. McKinley, and E. P. Kasten, “MetaSockets: Run-Time Support for Adaptive Communication Services,” (Poster Summary), In *Addendum to the Proceedings of the 2002 International Symposium on Distributed Objects and Applications*, Irvine, California, pp. 42–45, October 2002.

### Technical Reports

- Philip K. McKinley, **S. Masoud Sadjadi**, Eric P. Kasten, and Betty H. C. Cheng. A taxonomy of compositional adaptation. Technical Report MSU-CSE-04-17, Department of Computer Science, Michigan State University, East Lansing, Michigan, May 2004.
- Zhinan Zhou, Philip K. McKinley, and **S. Masoud Sadjadi**. On quality-of-service and energy consumption tradeoffs in fec-encoded audio streaming. Technical Report MSU-CSE-04-16, Department of Computer Science, Michigan State University, East Lansing, Michigan, April 2004.

- **S. M. Sadjadi** and P. K. McKinley. A survey of adaptive middleware. Technical Report MSU-CSE-03-35, Computer Science and Engineering, Michigan State University, East Lansing, Michigan, December 2003.
- P. K. McKinley, Z. Zhou, and **S. M. Sadjadi**. Tradeoffs between QoS and energy consumption in FEC-supported wireless handheld computers. Technical Report MSU-CSE-03-34, Department of Computer Science, Michigan State University, East Lansing, Michigan, December 2003.
- **S. M. Sadjadi** and P. K. McKinley. Supporting transparent and generic adaptation in pervasive computing environments. Technical Report MSU-CSE-03-32, Department of Computer Science, Michigan State University, East Lansing, Michigan, September 2003.
- **S. M. Sadjadi**, P. K. McKinley, R. E. K. Stirewalt, and B. H.C. Cheng. TRAP: Transparent reflective aspect programming. Technical Report MSU-CSE-03-31, Computer Science and Engineering, Michigan State University, East Lansing, Michigan, November 2003.
- **S. M. Sadjadi** and P. K. McKinley. ACT: An adaptive corba template to support unanticipated adaptation. Technical Report MSU-CSE-03-22, Department of Computer Science, Michigan State University, East Lansing, Michigan, August 2003.
- **S. M. Sadjadi**, P. K. McKinley, and E. P. Kasten. Metasockets: Run-time support for adaptive communication services. Technical Report MSU-CSE-02-22, Department of Computer Science, Michigan State University, East Lansing, Michigan, July 2002.
- Z. Yang, B. H.C. Cheng, R. E. K. Stirewalt, J. Sowell, **S. M. Sadjadi**, and P. K. McKinley. An aspect-oriented approach to dynamic adaptation. Technical Report MSU-CSE-02-21, Department of Computer Science, Michigan State University, East Lansing, Michigan, July 2002.
- E. P. Kasten, P. K. McKinley, **S. M. Sadjadi**, and R. E. K. Stirewalt. Separating introspection and intercession to support metamorphic distributed systems. Technical Report MSU-CSE-02-1, Department of Computer Science, Michigan State University, East Lansing, Michigan, January 2002.