

Title: Microscale wind simulations using WindNinja.

Contact: Jason Forthofer, USFS Rocky Mountain Research Station, Missoula Fire Sciences Laboratory, 5775 Hwy 10 W, Missoula, MT 59808, Phone: 406-329-4874, Email: jaforthofer@fs.fed.us

Workshop: WindNinja is a microscale wind model developed for operational fire management use by the Missoula Fire Sciences Laboratory of the US Forest Service. This workshop will include discussions on WindNinja's features and physical models, validation, advantages/disadvantages, applicability to different types of wind flow, and future enhancements. Additionally, we will demonstrate the use of WindNinja interactively with the class. Students should try to bring a laptop (Windows XP, 7, or 8) with them to class to follow along with the demonstrations.

Length: 4 hours

Minimum Number: 5

Maximum Number: 35

Special Needs: Tables and power outlets for all of the students so they can use their laptops. Also, ideally all students would have an Internet connection. At a minimum, instructors should have access to an Internet connection.

Costs: No additional cost