

Type of presentation: Poster

IT-4-P-6037 BASE - a web based, open source solution for microscope reservation and accounting

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Central electron microscopy facilities often are responsible for all microscopes and peripheral devices such as sample preparation and analysis equipment at a University. Usually, central facilities are also responsible for the distribution of microscope time to other scientists, institutes or departments and they generally charge an hourly fee for microscope usage and for providing other services. Several scheduling systems, which were available at the time this project was initiated, offered only reservation features or were lacking at least one or more important requirements for accounting, such as project management or cost separation. Therefore, a new system for booking and accounting for microscope time has been developed and introduced at Hamburg University of Technology (TUHH) to reduce administrative burden. This new system is called BASE (Booking and Accounting System for Electron Microscopy) and is based on PHP and MySQL. It offers the following main features: Project management, project-based booking of microscope time, redistribution of microscope time to one or more projects after usage, setting caps on expenses, customer accounts with balance history, timelines (versatile categorization and accessibility of microscope time), automatically expiring microscope access (to enforce regular safety briefings), download area, invoice management etc. Therefore, BASE should fit most needs of central electron microscopy facilities in academic environments. It soon will be available as a web-based, open source solution.

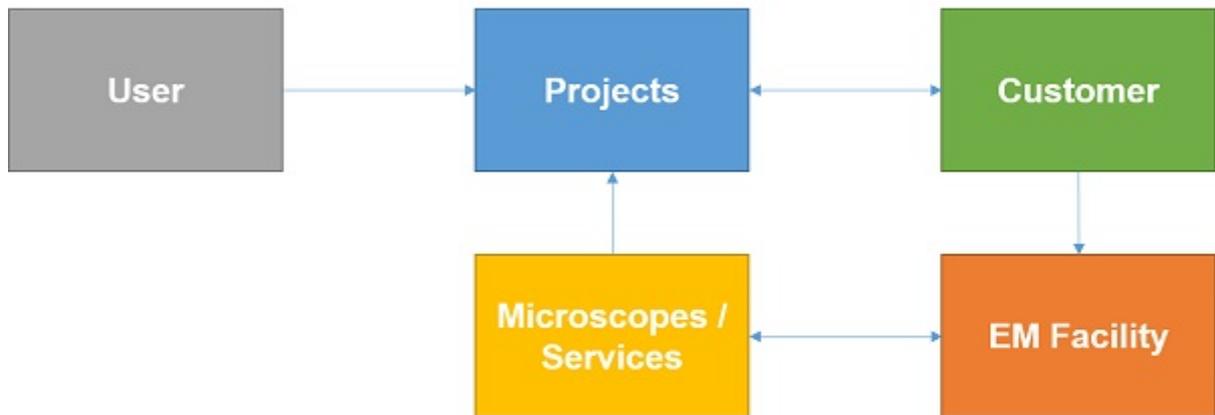


Fig. 1: Schematic principle of BASE: BASE is a project-based booking and accounting solution for electron microscopy facilities. Microscope users work for one or more projects that are billed to a customer, i.e. an institute, department or an external company. Within a project, microscopes and services that are provided by the EM facility can be used.

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Device	Status	Since	Notes
Zeiss Supra VP55		-	-
Leo 1530		-	-
Jeol 840A		68 days	HT Problems
Jeol 2000 FX II		-	-
Sample Preparation		-	Sputter machine is in the room 3526
PC Workstation		-	-

Welcome to BASE
 ... the online Booking and Accounting System of the Electron Microscopy Unit at the Hamburg University of Technology.
 If you are already registered you may login to BASE with your user name and password.
 If you want use BASE but do not have an account, please use the link [Create new account](#) to register.

Fig. 2: BASE login screen for TUHH showing the status of the microscopes.