



October 12, 2018

Memorandum

To: R. Bertrum Diemer  
Professor  
Department of Chemical and Biomolecular Engineering

James Michaels  
Professor  
Department of Chemical and Biomolecular Engineering

From: Trevor A. Dawes  
Vice Provost for Libraries and Museums  
and May Morris University Librarian

I am responding to your request to supply information about the capability of the University of Delaware Library, Museums and Press to support permanent status for the Master of Engineering in Particle Technology (MEPT).

The existing online and print collections of the University of Delaware Library, Museums and Press, which are strong in the sciences and related interdisciplinary areas, are currently able to support this program. However, no additional funding is available for new resources. Enclosed is a description of collections, resources and services available for this purpose.

I would be pleased to respond to any questions.

/nb

Enclosure

c: Department of Chemical and Biomolecular Engineering  
Kristin Halberg, Administrative Assistant III

University of Delaware Library, Museums and Press  
Susan Davi, Associate Librarian and Head, Collection Management and  
Licensed Electronic Content Department  
M. Dina Giambi, Associate University Librarian for Budget and Collections  
Sabine Lanteri, Senior Assistant Librarian and Science Liaison Librarian,  
Reference and Instructional Services Department  
Thomas Melvin, Librarian, Reference and Instructional Services Department  
Carol Rudisell, Librarian and Head, Reference and Instructional Services Department  
William Simpson, Associate Librarian and Institutional Repository Librarian,  
Reference and Instructional Services Department

Faculty Senate  
Karren Helsel-Spry, Administrative Assistant IV



University of Delaware Library

VICE PROVOST FOR LIBRARIES AND MUSEUMS  
AND MAY MORRIS UNIVERSITY LIBRARIAN

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Report on Library Services and Collections in Support of the  
Master of Engineering in Particle Technology

General Description

The University of Delaware Library, Museums and Press includes the Hugh M. Morris Library, where the main collection is housed; two branch libraries located on the Newark campus, the Chemistry Library and the Physics Library; and a third branch library, the Marine Studies Library, located in Lewes, Delaware. The Library collections parallel the University's academic interests and support all disciplines.

Databases, full-text electronic journals and electronic books, books, periodicals, microforms, government publications, maps, manuscripts and media provide a major academic resource for the University of Delaware, the surrounding community, the state of Delaware and the nation. Library staff members provide a wide range of services.

The University of Delaware Library, Museums and Press is a U.S. depository library and a U.S. patent depository library and contains the complete file of every patent issued by the U.S. Patent and Trademark Office (USPTO).

The online catalog, DELCAT Discovery, provides access to millions of items by author, title, subject and keyword.

Library collections number over 2,720,000 and are broadly based and comprehensive. In 2016/2017, the Library Web <[library.udel.edu/](http://library.udel.edu/)> received over 3,900,000 page views.

Specific Support for Particle Technology

The Library's collections are strong and are able to support the Master of Engineering in Particle Technology. For many years, the Library has supported related graduate and undergraduate programs in all areas in engineering, chemistry, environmental sciences, physics, and materials science. The collections in these areas are excellent and continue to grow.

An experienced librarian, Sabine Lanteri ([slanteri@udel.edu](mailto:slanteri@udel.edu)), Senior Assistant Librarian, Reference and Instructional Services Department, serves as the Library liaison to the faculty in

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the Department of Chemical and Biomolecular Engineering. As Library liaison, Ms. Lanteri works with the Department of Chemical and Biomolecular Engineering to:

- Further develop Library collections, both print and electronic to support the teaching, learning and research needs of the program
- Provide research support for faculty and students in a consultation setting
- Provide instruction in a classroom setting
- Serve as a resource for the information needs of the faculty and students as they relate to the Library, Scholarly Communication, Open Access and other topics

Two other science librarians have considerable expertise in related subject areas and can provide additional specialized services, as needed. They are:

- Tom Melvin ([tmel@udel.edu](mailto:tmel@udel.edu)) - Civil & Environmental Engineering, Electrical & Computer Engineering, Materials Science & Engineering, Mechanical Engineering, Patents
- William Simpson ([wsimpson@udel.edu](mailto:wsimpson@udel.edu)) - Physics, Mathematical Sciences

More than 200 research guides <[guides.lib.udel.edu/](http://guides.lib.udel.edu/)> in all subject areas have been developed and are maintained by librarian liaisons. These research guides describe library resources and assist students in the research process. These guides introduce students to a wide array of useful resources including databases, eJournals, eBooks, reference materials, visual material and more. The librarians mentioned above are also available to work with faculty to develop research guides for specific courses within this program.

The Library subscribes to more than 400 online databases <[library.udel.edu/databases/](http://library.udel.edu/databases/)> which support research in all areas. Among the most important databases for study and research in particle technology are: *SciFinder*, *Springer Materials*, *Compendex*, *Scopus*, *Web of Science*, *Materials Science & Engineering Database*, *ToxNet*, and *ASTM Standards & Engineering Digital Library*.

In addition to its extensive print-based collections, the Library provides access to more than 100,000 electronic journals <[library.udel.edu/ejournals/](http://library.udel.edu/ejournals/)> and more than 670,000 electronic books <[library.udel.edu/ebooks/](http://library.udel.edu/ebooks/)>. Within the Library's eJournal collection, the sciences are particularly strong, including almost all the journals published by Elsevier, Springer, Wiley, and Taylor & Francis, as well as smaller publishers such as American Chemical Society, AIChE, Royal Society of Chemistry, Nature, IEEE and IET, the Electrochemical Society, and SPIE.

Within the eBook collection, online access to almost all ebooks published by Springer from 2005-present are of particular importance. *Knovel* and *Safari Tech Books* provide sci-tech reference data and ebooks on technology topics. The conference proceedings from major publishers such as ACM, IEEE, SPIE, and Springer are also available online.

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The Library subscribes to *RefWorks*, a web-based citation management tool that can be used with most databases. Access to *EndNote Online* via the Library's *Web of Science* subscription is also available.

The Library has strong collections of film and video <[library.udel.edu/filmandvideo/](http://library.udel.edu/filmandvideo/)> which support study and teaching in all subject areas.

The Library has a nationally recognized Student Multimedia Design Center <[library.udel.edu/multimedia/](http://library.udel.edu/multimedia/)> which provides access to equipment, software, and training related to the creation of multimedia projects. The Student Multimedia Design Center includes over 80 workstations, six studios, and two classrooms focused on multimedia creation. University of Delaware users also may borrow a wide variety of multimedia equipment. Through its Multimedia Literacy program, the Student Multimedia Design Center provides instructional support for faculty seeking to incorporate multimedia into their assignments.

The Library also maintains an Institutional Repository (<[udspace.udel.edu/](http://udspace.udel.edu/)>), which archives research reports, documents, and other resources produced by University of Delaware faculty and students.



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