

Herakovich, Carl T., Papers

Carl T. Herakovich Papers
1973-1987



Title Statement

Herakovich, Carl T., PapersCarl T. Herakovich Papers, 1973 - 1987 Ms.1987.033

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Profile Description

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Descriptive Summary

Unit ID

Ms.1987.033

Unit Date

1973-1987

Language

The materials in the collection are in English.

Abstract

The collection includes budget and renewal reports for the Composite Materials Research and Education Program at Virginia Tech, for which Carl T. Herakovich served as the co-director from 1974 to 1984. The collection also contains similar proposals for several other similar ventures.

Creator

Herakovich, Carl T.

Extent

1 Cubic Feet 1 box

Repository

Special Collections and University Archives, Virginia Tech

Administrative Information

Conditions Governing Access

The collection is open for research.

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Source of Acquisition

The Carl T. Herakovich Papers were donated to Special Collections in 1987.

Processing Information

The processing and description of the Carl T. Herakovich Papers commenced and was completed in 1987. Additional description was completed in July 2009.

Preferred Citation

Researchers wishing to cite this collection should include the following information: [identification of item], [box], [folder], Carl T. Herakovich Papers, 1973-1987, Ms1987-033, Special Collections and University Archives, Virginia Tech, Blacksburg, Va.

Biographical Note

Carl T. Herakovich was a professor in the Engineering Science and Mechanics Department at Virginia Tech from 1967-1987, and also served as the co-director of the NASA-Virginia Tech Composite Materials Research and Education Program from 1974-1984.

A brief biography of his career before and after Virginia Tech is available online.

Scope and Content

The collection includes budget and renewal reports for the Composite Materials Research and Education Program at Virginia Tech. The collection also contains similar proposals for several other similar ventures.

A majority of this collection contains proposals, renewals, and reports related to the Composite Materials Research and Education program (NASA Grant NGR 47-004-129) at Virginia Tech in the 1970s and 1980s. Also included are posters and papers from speakers in conjunction with the program, personnel appointments, and some internal memos and correspondence.

Additional topic files relate to proposals on "Research in High Temperature Composite Materials for Aerospace Structures," "Acoustic Emission Investigation of Composite Reinforced Metals," "Aeronautics and Air Transportation Systems," and "Advanced Design Concepts Using Composite Materials."

Keywords

Archives of American Aerospace Exploration (AAAE)

Faculty and staff

University History

United States. National Aeronautics and Space Administration

Virginia Polytechnic Institute and State University (1970-)

Bibliography of Publications in Special Collections

Carl T. Herakovich A Study of the Mechanical Behavior of a 2-D Carbon-Carbon Composite. Carl T. Herakovich A Critical Assessment of Crack Growth Criteria in Unidirectional Composites. George F. Sykes Carl T. Herakovich Space Environmental Effects on Graphite-Epoxy Compressive Properties and Epoxy Tensile Properties. Zafer Gürdal Carl T. Herakovich An Experimental and Numerical Study of Notch Sensitivity of ARALL Laminates. Mark J. Shuart Carl T. Herakovich An Analysis of Interlaminar Stresses in Unsymmetrically Laminated Plates. Carl T. Herakovich Finite Element Analysis of Damaged Cross-Ply Composite Laminates.

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Arrangement

The collection has been maintained in its original order. One additional folder (13a) has been added to hold loose items found between folders 13 and 14.

In the inventory below, additional information regarding folder contents has been added in brackets. Composite Materials Research and Education folders are listed, followed by other specific NASA proposals and projects, then general NASA and Virginia Tech files.

Description of Subordinate Components

Proposal - Composite Materials Research and Education

Unit Date 1973-1974

box-folder 1 (box)

Container 4 (folder)

1st Renewal Proposal [Composite Materials Research and Education]

Unit Date 1974-1975

box-folder 1 (box)

Container 6 (folder)

2nd Renewal Proposal [Composite Materials Research and Education]

Unit Date 1975-1976

box-folder 1 (box)

Container 7 (folder)

Renewal Proposal [Composite Materials Research and Education]

Unit Date 1976-1977

box-folder 1 (box)

Container 8 (folder)

Renewal Proposal [Composite Materials Research and Education]

Unit Date 1977-1978

box-folder 1 (box)

Container 9 (folder)

Renewal Proposal [Composite Materials Research and Education]

Unit Date 1978-1979

box-folder 1 (box)

Container 10 (folder)

Renewal Proposal [Composite Materials Research and Education]

Unit Date 1979-1980

box-folder 1 (box)

Container 12 (folder)

Renewal Proposal [Composite Materials Research and Education]

Unit Date 1980-1981

box-folder 1 (box)
Container 1 (folder)

Renewal Proposal [Composite Materials Research and Education]

Unit Date 1981-1982
box-folder 1 (box)
Container 2 (folder)

Reports [Composite Materials Research and Education]

Unit Date 1974-1980
box-folder 1 (box)
Container 5 (folder)

Budget Approvals [Composite Materials Research and Education]

Unit Date 1977-1985
box-folder 1 (box)
Container 13 (folder)

Distinguished Lecturers

Unit Date 1977-1986
box-folder 1 (box)
Container 14 (folder)

[Composite Materials Research and Education Information Posters]

Unit Date n.d.
box-folder 1 (box)
Container 13a (folder)

NVTCP [NASA Virginia Tech Composites Program]

Unit Date June-December 1986
box-folder 1 (box)
Container 22 (folder)

NVTCP

Unit Date 1987
box-folder 1 (box)
Container 23 (folder)

Proposal: Acoustic Emission Investigation of Composite Reinforced Metals

Unit Date 1973
box-folder 1 (box)
Container 15 (folder)

Final Report NAS1-1-646-17 Acoustic Emission Investigation of Composite Reinforced Metals

Unit Date 1973
box-folder 1 (box)
Container 16 (folder)

Reports [NASA Grant NGR-47-004-090 Aeronautics and Air Transportation Systems and NASA Grant NGR-47-004-090-118 Viscoelastic-Plastic Behavior of Adhesives for Composite Bonding]

Unit Date 1974-1977

box-folder 1 (box)
Container 17 (folder)

NSG 1250 - Research in High Temperature Composite Materials for Aerospace Structures

Unit Date 1975-1976
box-folder 1 (box)
Container 3 (folder)

Reports - NASA NCC1-15

Unit Date 1982-1985
box-folder 1 (box)
Container 11 (folder)

Young - Advanced Design Concepts Using Composite Materials/NASA - VPI-11-110F-105-313155-1

Unit Date 1987
box-folder 1 (box)
Container 25 (folder)

Appointments [Personnel]

Unit Date 1975-1986
box-folder 1 (box)
Container 24 (folder)

Loos, Herakovich, Hyers [Correspondence and proposals]

Unit Date 1983-1984
box-folder 1 (box)
Container 19 (folder)

NASA Materials - Annual Reports

Unit Date 1982-1987
box-folder 1 (box)
Container 21 (folder)

NASA Materials [Internal VPI memos and proposals]

Unit Date 1984-1986
box-folder 1 (box)
Container 18 (folder)

NASA Materials [Proposals]

Unit Date 1986
box-folder 1 (box)
Container 20 (folder)