

# PARTNERSHIP

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## The Emerging Technology Collection at Carleton University Library: Supporting Experiential Learning in the University Curriculum

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### **Abstract**

The Emerging Technology Collection at Carleton University is a successful collaboration between three units on campus: the Library, the Discovery Centre for Undergraduate Research and Engagement, and Information Technology Services. The Emerging Technology Collection began as a pilot project in January 2015 to circulate Raspberry Pis and Arduinos at the request of faculty in the Engineering Department. Due to the success of the pilot project, the collection now provides access to over 70 pieces of technology equipment for loan to support experiential learning for students. Development and implementation of the Collection is discussed. The Emerging Technology Collection has provided a number of academic benefits, such as innovative student projects, outreach and faculty engagement, and community engagement. There have also been benefits for the Library including promotion of the Library collection, continuing education for Library staff, and significant usage of the Emerging Technology Collection. Some of the challenges faced during the development of this collection are analyzed, including the need to register certain products, maintenance and upkeep of the collection, damage and replacement costs, and promoting the use of emerging technology across disciplines. This successful project underscores the value of a shared space where different units on campus can work together to develop and deliver an innovative new service. Finally, this project demonstrates the value of innovation in academic libraries that are responsive to new developments and deliver useful services.

# The Emerging Technology Collection At Carleton University

**Hans Landström**



## **The Emerging Technology Collection At Carleton University:**

*Innovation and Experiential Learning in Academic Libraries* Sarah Nagle, Elias Tzoc, 2022-03-15 As technology advances and the skills required for the future workforce continue to change rapidly academic libraries have begun to expand the definition of information literacy and the type of library services they provide to better prepare students for the constantly developing world they will face upon graduation More than teaching the newest technologies information literacy is expanding to help students develop enduring skills such as critical thinking creativity problem solving communication teamwork and more *Innovation and Experiential Learning in Academic Libraries Meeting the Needs of 21st Century Students* addresses the multitude of ways that academic librarians are collaborating with faculty and helping students develop these enduring skills by developing and integrating active and experiential learning approaches into teaching activities This book is divided into three sections The first section explores the role that library leaders play in supporting and advocating for innovation in information literacy and library services The second section features case studies from librarians who are implementing novel and multidisciplinary approaches to information literacy and innovative services such as maker scholarship digital humanities undergraduate research experiences and new active learning strategies These case studies also highlight how the COVID 19 pandemic has transformed teaching and learning in academic libraries The final section looks to the future providing guidance to information professionals on the issues and technologies that will drive transformations of information literacy in the coming years such as artificial intelligence and new information literacy applications As such library administrators academic librarians information literacy practitioners and technologists will benefit from this book

*Bold Minds* Margaret Weaver, Leo Appleton, 2020-11-10 Are librarians and libraries relevant in the 21st century This is a fundamental question and one that presents differing opinions across the many diverse information sectors If there is a continuing need for libraries and for librarians then how do library leaders obtain strategic support when there appears to be a lack of clarity or understanding about the very purpose of libraries at a time when economically libraries are under pressure to develop new business models and be more commercially focussed *Bold Minds* Library leadership in a time of disruption brings together international leaders who frame many aspects of the current library provision and who carry responsibility for the library models of the future to consider how librarians and libraries can be a driving force in a time of disruptive economic technological and cultural change Each chapter critically presents a short leadership provocation regarding libraries and their purpose encompassing impact service delivery collections staff skills and professional training and assessing what it means for leaders their sectors and organisations and how they have developed their personal leadership signature This book will be invaluable to library and information professionals in a range of public and private sector libraries as well as policy makers in services where libraries are a component It will also be useful for students educational establishments and IT professionals with an information management element to their work

**Emerging Technologies and International Stability** Todd S. Sechser, Neil Narang, Caitlin Talmadge, 2021-11-28

Technology has always played a central role in international politics it shapes the ways states fight during wartime and compete during peacetime Today rapid advancements have contributed to a widespread sense that the world is again on the precipice of a new technological era Emerging technologies have inspired much speculative commentary but academic scholarship can improve the discussion with disciplined theory building and rigorous empirics This book aims to contribute to the debate by exploring the role of technology both military and non military in shaping international security Specifically the contributors to this edited volume aim to generate new theoretical insights into the relationship between technology and strategic stability test them with sound empirical methods and derive their implications for the coming technological age This book is very novel in its approach It covers a wide range of technologies both old and new rather than emphasizing a single technology Furthermore this volume looks at how new technologies might affect the broader dynamics of the international system rather than limiting the focus to a stability The contributions to this volume walk readers through the likely effects of emerging technologies at each phase of the conflict process The chapters begin with competition in peacetime move to deterrence and coercion and then explore the dynamics of crises the outbreak of conflict and war escalation in an environment of emerging technologies The chapters in this book except for the Introduction and the Conclusion were originally published in the Journal of Strategic Studies *Analyzing Security, Trust, and Crime in the Digital World* Nemati, Hamid R., 2013-12-31 In the digital era information is the most valuable resource and protecting one's assets is a constant struggle for both individuals and organizations *Analyzing Security Trust and Crime in the Digital World* explores techniques and technologies used to secure data and prevent intrusion in virtual environments Within these pages computer scientists programmers engineers and practitioners will find meaningful research on intrusion detection and authentication techniques in order to further defend their own systems and protect the information therein [The New York Times Index](#), 1926

[International Photography: Exhibitions](#) Andrew H. Eskin, Greg Drake, Kirsti Ringger, Lynne Rumney, 1998 This is a collection of the George Eastman House index to international photographers collections and exhibitions **Research Centers Directory**, 1986 Research institutes foundations centers bureaus laboratories experiment stations and other similar nonprofit facilities organizations and activities in the United States and Canada Entry gives identifying and descriptive information of staff and work Institutional research centers and subject indexes 5th ed 5491 entries 6th ed 6268 entries

[Yale Alumni Weekly](#), 1908 **Guide** American Anthropological Association, 2008 *The Yale Alumni Weekly*, 1911

**A Collection of Technical Papers**, 1975 **Handbook of Research on Venture Capital** Hans Landström, 2007

Provides an overview of the various facets of venture capital and their related issues This book surveys venture capital as a research field and explores the various conceptual theoretical methodological and geographic aspects It focuses on the specific environs of venture capital 株式会社 (Japan), 1900 *Academy of Management*

*Annual Meeting* Academy of Management,2005      *Seminar on New Product Development* ,1983      **Arizona and the West**  
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Library. Research Libraries,1979      **The New International Year Book** ,1918      **Fastforward and Out of Control**  
Heather Menzies,1989      **New England Economic Review** ,1996

## Decoding **The Emerging Technology Collection At Carleton University**: Revealing the Captivating Potential of Verbal Expression

In a time characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its capability to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**The Emerging Technology Collection At Carleton University**," a mesmerizing literary creation penned with a celebrated wordsmith, readers embark on an enlightening odyssey, unraveling the intricate significance of language and its enduring effect on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

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### **The Emerging Technology Collection At Carleton University Introduction**

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