

**IDEAS**
[PAPERS](#) | [ARTICLES](#) | [AUTHORS](#) |
[INSTITUTIONS](#) | [DATA \(FRED®\)](#)

Search IDEAS

Advanced Search

IDEAS is a *RePEc* service hosted by the Research Division of the Federal Reserve Bank of St. Louis

About 1700 journals are listed on RePEc.

[IDEAS home](#)

Browse for material

- [Papers](#)
- [Articles](#)
- [Software](#)
- [Books](#)
- [Chapters](#)
- [Authors](#)
- [Institutions](#)
- [Data \(FRED®\)](#)

Find material

- [JEL Classification](#)
- [NEP reports](#)
- [Search](#)
- [Pub compilations](#)
- [Reading lists](#)

More services

- [MyIDEAS **NEW**](#)
- [New papers by email](#)
- [Author registration](#)
- [Rankings](#)
- [Genealogy **NEW**](#)
- [RePEc Biblio **NEW**](#)
- [EconAcademics blog aggregator](#)
- [Plagiarism](#)
- [Services from the StL Fed](#)

About RePEc

- [RePEc home](#)
- [FAQ](#)
- [Blog](#)
- [Help!](#)
- [RePEc team](#)
- [Participating archives](#)

Help RePEc and get material listed

- [Corrections](#)
- [Volunteers](#)

Share:

[MyIDEAS: Login](#)

Seleziona lingua

Powered by [Google Traduttore](#)

Advertising and congestion management policies for a museum temporary exhibition

Author Info

- [Stefania Funari](#)
(University of Venice)
- [Bruno Viscolani](#)

Registered author(s):

- [Stefania Funari](#)
- [Bruno Viscolani](#)

Contents:

- [Author info](#)
- [Abstract](#)
- [Bibliographic info](#)
- [Download info](#)
- [Related research](#)
- [References](#)
- [Citations](#)
- [Lists](#)
- [Statistics](#)
- [Corrections](#)

Abstract

In the economic literature there has recently been a strong interest on cultural organizations, especially museums. Nevertheless, only a few mathematical models have been developed in this field and most of them are econometric models. The aim of this work is to propose a special optimal control model in order to analyze the behaviour of a museum institution in terms of advertising and congestion management policies. We focus on a museum which offers a special exhibition in a definite time period. The model takes into account some of the basic features of the museum institutions, which distinguish them from the traditional economic firms. Attention is given to the cultural demand and the quality of the visitors experience, in particular in relation with the occurrence of congestion situations. The laws governing the behaviour of the system through time are defined by three distinct dynamical systems, depending on the position of the visitor attendance rate with respect to two critical levels: the congestion threshold which is a fixed parameter of the system and the extreme congestion threshold which depends on the congestion management policy. Because of the regime switching the optimal control problem is non-differentiable and the standard Pontryagin maximum principle necessary conditions are not suitable for characterizing the optimal solutions. The Clarke's generalized maximum principle necessary conditions for an optimal solution are derived, which provide some useful information to define special classes of control functions. We discuss the existence of an optimal solution which is economically meaningful and some special classes of control functions.

Download Info

To our knowledge, this item is not available for download. To find whether it is available, there are three options:

1. Check below under "Related research" whether another version of this item is available online.
2. Check on the provider's [web page](#) whether it is in fact available.
3. Perform a [search](#) for a similarly titled item that would be available.

Bibliographic Info

Paper provided by Universiteit van Amsterdam, Center for Nonlinear Dynamics in Economics and Finance in its series [CoNDEE Workshop Papers](#), January 2001 with

[Top of page](#)

- [Get papers listed](#)
- [Open a RePEc archive](#)

Download reference as HTML in new window

Length:

Date of creation: 04 Jan 2001

Date of revision:

Handle: RePEc:ams:cdws01:po7

Contact details of provider:

Postal: Dept. of Economics and Econometrics, Universiteit van Amsterdam,
Roetersstraat 11, NL - 1018 WB Amsterdam, The Netherlands

Phone: + 31 20 525 52 58

Fax: + 31 20 525 52 83

Email: redactie@fee.uva.nl

Web page: <http://www.fee.uva.nl/cendef/>

[More information through EDIRC](#)

Related research

Keywords:

References

No references listed on IDEAS


You can help add them by filling out [this form](#).

Citations

Citations are extracted by the [CitEc Project](#), subscribe to its [RSS feed](#) for this item.

Download citations as HTML in new window

Cited by:

1.  Laura Onofri & Antonello Scorcu, 2006. "[The Life Cycle of Temporary Cultural Exhibitions: An Empirical Exploration](#)," *International Journal of the Economics of Business*, Taylor and Francis Journals, vol. 13(3), pages 447-460.

Lists

This item is not listed on Wikipedia, on a [reading list](#) or among the [top items](#) on IDEAS.

Statistics

[Access and download statistics](#)

Corrections

When requesting a correction, please mention this item's handle:

RePEc:ams:cdws01:po7

For technical questions regarding this item, or to correct its authors, title, abstract, bibliographic or download information, contact: baum@bc.edu (Christopher F. Baum).

If you have authored this item and are not yet registered with RePEc, we encourage you to do it [here](#). This allows to link your profile to this item. It also allows you to accept potential citations to this item that we are uncertain about.

If references are entirely missing, you can add them using [this form](#).

If the full references list an item that is present in RePEc, but the system did not link to it, you can help with [this form](#).

If you know of missing items citing this one, you can help us creating those links by adding the relevant references in the same way as above, for each referring item. If you are a registered author of this item, you may also want to check the "citations" tab in your profile, as there may be some citations waiting for confirmation.

[Top of page](#)

Please note that corrections may take a couple of weeks to filter through the

This information is provided to you by [IDEAS](#) at the [Research Division](#) of the [Federal Reserve Bank of St. Louis](#) using [RePEc data](#).

[Privacy](#) [Legal](#)