

2013 Faculty Fellows

David Caputo, PhD, *President Emeritus & Professor, Political Science, Dyson College of Arts and Sciences*

Expenditure and Tax Decisions Dealing with the National Debt and their Implications for Nonprofits and Social Enterprise.

Jean F. Coppola, BS, MS, MS, PhD, *Associate Professor, Information Technology, Seidenberg School of Computer Science and Information Systems*

Applying Mobile Application Development to Help Dementia and Alzheimer Patients

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Abstract: Caregiver anecdotes attest that music and photographs play an important role for family members diagnosed with Alzheimer's disease (AD), even those with severe AD. Tablets and iPads, which are prevalent, can be utilized with dementia patients in portraying favorite music and family photographs via apps developed in close partnership with geriatric facilities. This study addresses cognitive functioning and quality of life for people diagnosed with dementia via technology. Research has shown that technology instruments such as iPods, help stimulate those with dementia. This study focuses on innovative devices such as iPads and tablets, which are mainstream and easy to use, cannot only help determine stage of dementia, but also provide stimulation to improve cognitive functioning. It is hoped that this research will analyze that specially created apps and existing assistive software can be used to decrease the symptoms and improve cognition of older adults suffering from AD or other dementia related diseases. Via service-learning courses, students developed an easy-to-use application for tablets to help older adults with disabilities more readily use the technology. This research will discuss student developed mobile applications in the scope of helping improve the quality of life of patients with AD or dementia.

[Hillary Knepper, PhD](#), *Associate Professor, Public Administration, Dyson College of Arts and Sciences*

Human Capital Investment During Times of Fiscal Austerity: Examining Volunteer Management Effectiveness

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Abstract: Nonprofit organizations rely upon volunteers to facilitate their missions of meeting critical community needs. Since 2006, on average, 61.9 million Americans or 26.4 percent of the adult population volunteered every year through organizations delivering 8.1 billion hours of service worth approximately \$162 billion to America's communities (Bureau of Labor Statistics 2012; Corporation for National and Community Service 2010). Most recent data released by The Bureau of Labor in 2013 further suggest between September 2011 and September 2012 approximately 64.5 million people volunteered via an organization at least once. In light of high

unemployment, donor fatigue, and slow economic growth, it is also anticipated that nonprofit reliance on volunteers will continue to increase (Salamon and Spence 2009). As cautioned by Doherty and Mayer (2003) when revenue sources are compromised as a result of an ailing economy, continued devolution, and severe budget cuts at all levels of government, nonprofits will increasingly be compelled to cope in new ways to achieve their missions. Therefore, as nonprofit organizations continue to face compromised revenue sources due to severe federal funding cuts and reduced donor support, managers will be compelled more than ever before to utilize their volunteers with fewer resources. However, the words of Lipsky and Smith (1989/90) and again by Brudney and Duncombe (1992) still ring true today: volunteers are not free, nor are nonprofit managers always equipped to make the most of their volunteers (Urban Institute 2004; Yanay and Yanay 2008). Furthering the findings of prior research (Levine and D'Agostino 2012), the purpose of this study is to identify the specific practices that emerge among volunteer managers in human service organizations during challenging economic times. Given that volunteer management encompasses a range of complex activities, such as recruiting, coordinating, leading, supporting, administering and organizing volunteers as well as strategic oversight and management of volunteer programs this study introduces complexity theory as a lens for understanding volunteer management capacity during challenging economic times. Although business (Curley 2012) and legal studies (Hornstein 2005) have utilized complexity as a guiding theory, the framework used in this study is a unique and important contribution to the nonprofit volunteer management literature. This study incorporates complexity theory as a means to frame a model of volunteer management that offers nonprofit chief executives, managers and funders a new perspective on how to successfully cope with volunteers and strengthen capacity during these challenging times. First, literature reviewing nonprofit and volunteer management capacity building is examined. The paper then introduces complexity theory as a basis for understanding volunteer management capacity. We then proceed with the methods section and discussion of key findings. We conclude with study limitations and areas for future research.

[Emily Welty, PhD](#), Assistant Professor, Political Science, Dyson College of Arts and Sciences
Beyond Poverty Tourism: analyzing the impacts of short-term volunteer trips in the international non-profit sector.