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IPDPS 2014 PhD Forum

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#877 (1569879829): *Towards a Framework for Building Maneuverable Applications*

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		Amy Apon	987035		Clemson	aapon@clemson.edu	USA
Title	Only the chairs (ipdps2014phdforum-chairs@edas.info) can edit	*Towards a Framework for Building Maneuverable Applications*					
Abstract	Only the chairs (ipdps2014phdforum-chairs@edas.info) can edit	This paper is an application to the PhD forum of the 2014 IEEE International Parallel & Distributed Processing Symposium (IPDPS) for William Clay Moody, Computer Science PhD candidate at Clemson University. The author is researching cybersecurity of distributed applications and systems through the introduction of the concept of military maneuver. The key attributes of cyberspace maneuver being investigated are in the areas of moving target defense and deceptive defense. Technologies used for these defense mechanisms include software-define-networking, live randomized workload migrations, and honey pot systems. Modeling of the maneuverable systems and stages of cyber attacks use Petri net models.					
Keywords	Only the chairs (ipdps2014phdforum-chairs@edas.info) can edit	distributed applications, cybersecurity, maneuverability, Hadoop, Software Defined Networking					
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Topics	Only the chairs (ipdps2014phdforum-chairs@edas.info) can edit	**Architecture**: Dependable Architectures. **Software**: Security.
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