

RE: Permission

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Fri 7/11/2014 8:50 AM

Inbox

To: Pedram Mortazavi <PedramMortazavi@cmail.carleton.ca>;

Dear Pedram Mortazavi,

Permission is granted to reuse the following figures in your Master's thesis:

Figure 1. Modified IK deterioration model (a) Monotonic Curve (from the paper "Deterioration Modeling of Steel Components in Support of Collapse Prediction of Steel Moment Frames under Earthquake Loading" by Dimitrios G. Lignos and Helmut Krawinkler published in Journal of Structural Engineers-137:1291-1302-2011)

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Regards,

Joann Fogleson
American Society of Civil Engineers
1801 Alexander Bell Drive
Reston, VA 20191
(703) 295-6278-FAX
[PERMISSIONS@asce.org](mailto:permissions@asce.org)

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From: Pedram Mortazavi [<mailto:PedramMortazavi@cmail.carleton.ca>]

Sent: Thursday, July 10, 2014 11:15 AM

To: PERMISSIONS

Subject: Permission

To whom it May Concern,

I am a Master of Applied Science in Civil Engineering and I am writing to ask permission to use certain figures with acknowledgements for my thesis listed below:

1. Figure 1. Typical roof deck diaphragm framing details (form the paper "Inelastic Seismic Response of Side Lap Fasteners for Steel Roof Deck Diaphragms"- published by Colin Rogers and Robert Tremblay in 2003)

I wish to use the figure to show the detailing of roof deck diaphragms.

2. Figure 8. Load deformation curves for tests: a, b, c and d. (From the paper "Behavior of Roof Deck Diaphragms under Quasistatic Cyclic Loading" - publishd by Hesham Essa, Robert Tremblay and Colin Rogers in 2003)

I wish to use this figure to try to model the behavior of deck diaphragms according to experimental results

3. Figure 2. Test bracing configurations and typical lateral load-deformation responses (from the paper "Seismic Response of Concentrically Braced Steel Frames Made with Rectangular Hollow Bracing Members" - published by Robert Tremblay, Archambault and Filiatrault.

I wish to use this figure to show the behavior of braces under cyclic loads and try to model the behavior in my finite element model.

The use of these figures will be mainly for illustration purposes. I have already ask permission from the authors as well.

I look forward to you kind permission.

Regards,

Pedram Mortazavi

*MASc Student
Department of Civil and Environmental Eng.
Carleton University*

From: Pedram Mortazavi [mailto:PedramMortazavi@cmail.carleton.ca]

Sent: Thursday, July 10, 2014 7:02 PM

To: PERMISSIONS

Subject: Permission

To whom it May Concern,

I am a Master of Applied Science in Civil Engineering and I am writing to ask permission to reproduce the following figure for my Master thesis:

Figure 1. Modified IK deterioration model (a) Monotonic Curve (from the paper "Deterioration Modeling of Steel Components in Support of Collapse Prediction of Steel Moment Frames under Earthquake Loading" by Dimitrios G. Lignos and Helmut Krawinkler published in Journal of Structural Engineers- 137:1291-1302-2011)

As I am modelling my structural system in OpenSees platform and using the Modified IK deterioration model, I need to provide information about the model. Therefore, I wish to use the backbone curve which was presented in the figure described above. Please let me now if the permission for such use is granted or not.

I look forward to you kind permission.

Regards,

Pedram Mortazavi

*MASc Student
Department of Civil and Environmental Eng.
Carleton University*
