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Please provide your agreement by signature below and return to Linda Mecimore via email at Linda.mecimore@kollmorgen.com.

Signature (may be pdf electronic signature)

Milad Hosseinipour (Authorized Contact Name)

Center for Vehicle Systems and Safety – Virginia Tech (Co Name)

08/11/2016 Date
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Milad Hosseinipour

Phoenix Contact USA, Inc.

Name: Louis Grice
Title: VP, Marketing, Communications and Customer Care
Date: 08/08/2016

Date: 12 Aug 2016
Permission to reprint pictures in my PhD dissertation
5 messages

Milad Hosseinipour <mhp@vt.edu>                      Wed, Aug 3, 2016 at 5:48 PM
To: Kent Lassen <kent.lassen@kistler.com>

Hello Kent,

I hope my email finds you well. You were a great help to me over two years ago during design and development of the first Roller Rig Testing Facility in the US for railway applications. I have used a few pictures from Kistler publications in my dissertation. I was wondering if you could approve my request to reprint these pictures in my dissertation. Attached, please find the pictures and the reference documents.

I would appreciate it if you could forward my email to the right person, in case you do not handle such requests directly.

Thanks,
Milad

--
Milad Hosseinipour
Vice President of Publicity - VT AREMA
Ph.D. Candidate in Mechanical Engineering
Center for Vehicle Systems and Safety
Virginia Tech
3103 Commerce Street
Blacksburg, VA 24061
mhp@vt.edu
http://www.cvess.me.vt.edu/

Kistler.docx
378K

Microsoft Word Document

Milad Hosseinipour <mhp@vt.edu>                      Wed, Aug 3, 2016 at 5:52 PM
To: michael.mcpike@kistler.com

Hello Michael,

I hope my email finds you well. Your colleagues were a great help to me over two years ago during design and development of the first Roller Rig Testing Facility in the US for railway applications. I contacted Kent Lassen, and he asked me to forward this request to you. I have used a few pictures from Kistler publications in my dissertation and I was wondering if you could approve my request to reprint these pictures. Attached, please find the pictures and the reference documents.

I would appreciate it if you could forward my email to the right person, in case you do not handle such requests directly.

Thanks,
Milad

--
Milad Hosseinipour
Vice President of Publicity - VT AREMA
Ph.D. Candidate in Mechanical Engineering
Center for Vehicle Systems and Safety
Dear Mr. Hosseinipour,

Thank you very much for your request. We feel honoured to play a significant role within your dissertation.

Pls find attached the extracted page of the references with our corrections.

Should you have any further questions on this matter, pls refer to me.

We wish you great success with your dissertation.

Yours sincerely,

Ondrej Menousek
Team Leader Communication Services

Kistler Instrumente AG
Eulachstrasse 22, 8408 Winterthur, Switzerland
Direct +41 52 224 1292, Main Office +41 52 224 11 11
ondrej.menousek@kistler.com, www.kistler.com

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Dear Deborah,

Thanks for asking.

Can you pls forward us Mr. Hosseinpour’s pictures and the particular document so that we can approve them and indicate how to handle reference and copyrights?

Kind regs, Ondrej

Ondrej Menousek
Team Leader Communication Services

Kistler Instrumente AG
Eulachstrasse 22, 8408 Winterthur, Switzerland
Direct +41 52 2241 292, Main Office +41 52 224 11 11
ondrej.menousek@kistler.com, www.kistler.com
Hi Ondrej,

Could you please help Deborah here?

Thank you & regards

Lisa

Lisa Glatz
Divisional Marketing Manager

Kistler Instrumente AG
Eulachstrasse 22, 8408 Winterthur, Switzerland
Direct +41 52 2241 231, Main Office +41 52 224 11 11
lisa.glatz@kistler.com, www.kistler.com
Hello Lisa,

There is a request to reprint Kistler illustrations in a dissertation (correspondence is below). Is permission such as this granted?

Deborah Lotito
Marketing Supervisor

Kistler Instrument Corp.
30280 Hudson Drive, MI 48377 Novi, USA
Tel. +1 248 668 6900, Direct +1 248 668 6824
deborah.lotito@kistler.com, www.kistler.com

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Debbee,

Can you advise us, or the customer directly if you would prefer, what the CGL says on this subject?

Thanks,

Aaron

Aaron Schumacher
Application Specialist
Vehicle Dynamics & Durability - Road & Traffic / WIM

Kistler Instrument Corp.
30280 Hudson Drive, MI 48377 Novi, USA
Tel. +1 248 668 6900, Direct +1 248 668 6811, Mobile +1 248 980 8561
aaron.schumacher@kistler.com, www.kistler.com

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From: McPike Michael
Sent: Thursday, August 04, 2016 9:30 AM
To: Schumacher Aaron
Subject: FW: Permission to reprint pictures in my PhD dissertation

You know more about this system. What do you think of his request?

Michael McPike
Sales and Applications Manager – Vehicle Dynamics and Durability

Kistler Instrument Corp.
30280 Hudson Drive, MI 48377 Novi, USA
From: Milad Hosseinipour [mailto:mhp@vt.edu]
Sent: Wednesday, August 03, 2016 5:54 PM
To: McPike, Michael
Subject: Permission to reprint pictures in my PhD dissertation

[Quoted text hidden]

Kistler_references_correx.docx
385K

Michael McPike <michael.mcpike@kistler.com> Tue, Aug 9, 2016 at 9:53 AM
To: Milad Hosseinipour <mhp@vt.edu>

Milad,

I think you received your information from Ondrej Menousek and are ok to proceed. Please let me know if you need anything further.

Thank you,

Michael McPike
Sales and Applications Manager – Vehicle Dynamics and Durability

Kistler Instrument Corp.
30280 Hudson Drive, MI 48377 Novi, USA
Tel. +1 248 668 6900, Fax +1 248 669 5733, Direct +1 248 668 6818, Mobile +1 734 323 3175
Hello Michael,

[Quoted text hidden]

[Quoted text hidden]

Dear all,

Thank you very much for your help with this. It has been a pleasure working with Kistler over last 3+ years. I am making sure that the front matter of the dissertation properly presents the strong role of Kistler in this complex project.

Best,
Milad
Hi Milad,

As far as my understanding goes, as long as its for non-profit educational purposes its permitted. But here is the official copyright page, as well as 2 contact methods to the copyright council if need be:

http://www.ti.com/corp/docs/legal/copyright.shtml

I hope this is helpful!

Regards,

Billy Owen
TI Applications Support
Americas Customer Support Center
http://e2e.ti.com/

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***Please do not delete the below Thread ID when replying to this email, doing so will delay our response to your inquiry***

[THREAD ID:1-118UYGM]

-----Original Message-----
From: mhp@vt.edu
Sent: 8/3/2016 05:04:13 PM
Cc: "mhp@vt.edu" <mhp@vt.edu>
Subject: GEN, Email Technical Support, www.ti.com, -

[This Email Sent From: Email Technical Support
http://www.ti.com/general/docs/contact.tsp]

[wfsegen]

[CUSTOMER'S REGIONAL LOCAL TIME: 8/3/2016, 6:04:12 PM]

[Name: Milad Hosseinipour]

[Prefix: Dr.]
[First Name: Milad]
[Last Name: Hosseinipour]
Hello,

My name is Milad Hosseinipour, a PhD candidate in Mechanical Engineering at Virginia Tech. Your colleagues were a great help to me over two years ago during design and development of the first Roller Rig Testing Facility in the US for railway applications. I have used a few pictures from TI publications in my PhD dissertation and I was wondering if you could approve my request to reprint these pictures in my dissertation. Below is a list of pictures and reference documents that I have used:

Documents:

Figures:
Figure 9. Phase error with +0.1% offset in both signals A and B [1]
Figure 10. Phase error with (90 + 0.36°) phase shift between signals A and B [1]
Figure 2. Phase shift of ATTLto A due to hysteresis [2]

Attached, please find a word file with the actual pictures and references. I would appreciate it if you could forward my email to the right person, in case you do not handle such requests directly.

Thanks, Milad
email to the right person, in case you do not handle such requests directly.

Thanks,

Milad

---

Milad Hosseinipour
Vice President of Publicity - VT AREMA
Ph.D. Candidate in Mechanical Engineering
Center for Vehicle Systems and Safety
Railway Technologies Laboratory
Virginia Tech
3103 Commerce Street
Blacksburg, VA 24061
mhp@vt.edu
http://www.cvess.me.vt.edu/

Milad Hosseinipour <mhp@vt.edu> Thu, Aug 4, 2016 at 12:26 PM
To: support@ti.com

Thank you very much, Billy.

I contacted the copyright council just to make sure I satisfy all the requirements. I appreciate your help.

Best,

Milad

---

Milad Hosseinipour
Vice President of Publicity - VT AREMA
Ph.D. Candidate in Mechanical Engineering
Center for Vehicle Systems and Safety
Railway Technologies Laboratory
Virginia Tech
3103 Commerce Street
Blacksburg, VA 24061
mhp@vt.edu
http://www.cvess.me.vt.edu/

Bassuk, Larry <l-bassuk@ti.com> Thu, Aug 25, 2016 at 11:33 AM
To: Milad Hosseinipour <mhp@vt.edu>

Dear Milad,

Thank you for your interest in Texas Instruments. We grant the permission you request in your email below.

On each copy, please provide the following credit:
Courtesу Texas Instruments

Regards,

Larry Bassuk
Senior Patent Counsel &
Copyright Counsel
Texas Instruments Incorporated
214-479-1152

From: Milad Hosseinipour [mailto:mhp@vt.edu]
Sent: Thursday, August 04, 2016 11:22 AM
To: copyrightcounsel@list.ti.com - Copyright and trademark web requests (May contain non-TIers)
Subject: [Requests & questions from ti.com] Fwd: GEN, Email Technical Support, www.ti.com, -

[Quoted text hidden]
Permission to reprint pictures in my PhD dissertation

3 messages

Milad Hosseinipour <mhp@vt.edu> Fri, Aug 12, 2016 at 11:12 AM
To: NEDC@aavid.com

Hello,

I hope my email finds you well. Your colleagues were a great help to me over two years ago during design and development of the first Roller Rig Testing Facility in the US for railway applications. I have used a few pictures from Aavid publications in my dissertation. I was wondering if you could approve my request to reprint these pictures in my dissertation. Attached, please find the pictures and the reference documents.

I would appreciate it if you could forward my email to the right person, in case you do not handle such requests directly.

Thanks,
Milad

--
Milad Hosseinipour
Vice President of Publicity - VT AREMA
Ph.D. Candidate in Mechanical Engineering
Center for Vehicle Systems and Safety
Railway Technologies Laboratory
Virginia Tech
3103 Commerce Street
Blacksburg, VA 24061
mhp@vt.edu
http://www.cvess.me.vt.edu/

Aavid.docx
464K

Whitney, Brad <whitney@aavid.com> Fri, Aug 12, 2016 at 3:37 PM
To: Milad Hosseinipour <mhp@vt.edu>

Milad, glad we could help. I checked with our marketing department in charge of our content. As those are both published on our website and datasheet it is ok as long as you references us / Aavid in an excerpt he sent.

Thanks!

Brad Whitney | Director, New England Design Center

Aavid Corporation
From: Milad Hosseinipour [mailto:mhp@vt.edu]
Sent: Friday, August 12, 2016 11:12 AM
To: New England Design Center <nedc@aavid.com>
Subject: Permission to reprint pictures in my PhD dissertation

Thank you, Brad, for your help. I look forward to working with you again in future.

Best,
Milad
Milad Hosseinipour  <mhp@vt.edu>  
To: Wayne Queen <mwqueen@aep.com>  

Hello Wayne,

I hope my email finds you well. You were a great help to me over two years ago during design and development of the first Roller Rig Testing Facility in the US for railway applications. I have used a picture from AEP publications in my dissertation. I was wondering if you could approve my request to reprint these pictures in my dissertation. Attached, please find the pictures and the reference documents.

I would appreciate it if you could forward my email to the right person, in case you do not handle such requests directly.

Thanks,
Milad

---
Milad Hosseinipour  
Vice President of Publicity - VT AREMA  
Ph.D. Candidate in Mechanical Engineering  
Center for Vehicle Systems and Safety  
Railway Technologies Laboratory  
Virginia Tech  
3103 Commerce Street  
Blacksburg, VA 24061  
mhp@vt.edu  
http://www.cvess.me.vt.edu/

Wayne Queen <mwqueen@aep.com>  
To: Milad Hosseinipour <mhp@vt.edu>  

Good morning Milad,

Thank you for your inquiry. You have our permission to reprint the document from The American Electric Power Company Meter and Service Guide. Please include the statement: “reprinted with permission”. We appreciate you checking with us.

Have a Great day and Good Luck with your dissertation,

Wayne Queen
From: Milad Hosseinipour [mailto:mhp@vt.edu]
Sent: Wednesday, August 03, 2016 5:56 PM
To: Wayne Queen
Subject: Permission to reprint pictures in my PhD dissertation

This is an EXTERNAL email. STOP. THINK before you CLICK links or OPEN attachments.

[Quoted text hidden]
Permission to reprint pictures in my PhD dissertation

4 messages

Milad Hosseinipour <mhp@vt.edu>  
To: Armitage David <david.armitage@schaffner.com>  

Milad Hosseinipour <mhp@vt.edu>  
To: Armitage David <david.armitage@schaffner.com>

Wed, Aug 3, 2016 at 5:54 PM

Hello David,

I hope my email finds you well. You were a great help to me over two years ago during design and development of the first Roller Rig Testing Facility in the US for railway applications. I have used a few pictures from Schaffner publications in my dissertation. I was wondering if you could approve my request to reprint these pictures in my dissertation. Attached, please find the pictures and the reference documents.

I would appreciate it if you could forward my email to the right person, in case you do not handle such requests directly.

Thanks,
Milad

--
Milad Hosseinipour
Vice President of Publicity - VT AREMA
Ph.D. Candidate in Mechanical Engineering
Center for Vehicle Systems and Safety
Railway Technologies Laboratory
Virginia Tech
3103 Commerce Street
Blacksburg, VA 24061
mhp@vt.edu
http://www.cvess.me.vt.edu/

Armitage David <david.armitage@schaffner.com>  
To: Milad Hosseinipour <mhp@vt.edu>  

Thu, Aug 4, 2016 at 10:31 AM

Hello Milad,

This is public information and knowledge, I see no concerns if you reference Schaffner as your source.

Good luck.

Regards,
David Armitage, PMP
Engineering Manager – QC Manager
From: Milad Hosseinipour [mailto:mhp@vt.edu]
Sent: Wednesday, August 03, 2016 5:54 PM
To: Armitage David
Subject: Permission to reprint pictures in my PhD dissertation

[Quoted text hidden]
Permission to reprint pictures in my PhD dissertation
8 messages

Milad Hosseinipour <mhp@vt.edu> Tue, Aug 23, 2016 at 12:31 PM
To: f.caponi@pilzusa.com

Hello Felicia,

Thank you for your time speaking with me over the phone today. Your colleagues were a great help to me over two years ago during design and development of the first Roller Rig Testing Facility in the US for railway applications. I have used a few pictures from PILZ publications in my PhD dissertation. I was wondering if you could approve my request to reprint these pictures. All pictures will be referenced to the PILZ's original publication, and captioned as “reprinted with permission”. Attached, please find the list of pictures and the reference documents.

I would appreciate it if you could forward my email to the right person, in case you do not handle such requests directly.

Thanks,
Milad

--
Milad Hosseinipour
Vice President of Publicity - VT AREMA
Ph.D. Candidate in Mechanical Engineering
Center for Vehicle Systems and Safety
Railway Technologies Laboratory
Virginia Tech
3103 Commerce Street
Blacksburg, VA 24061
mhp@vt.edu
http://www.cvess.me.vt.edu/

(PILZ.docx)

Milad Hosseinipour <mhp@vt.edu> Thu, Aug 25, 2016 at 6:46 PM
To: Felicia Capponi <f.caponi@pilzusa.com>

Dear Felicia,

I just wanted to follow up with you and make sure you received my email. Please let me know if you need any more information.

Best,
Milad

[Felicia Caponi <F.Caponi@pilzusa.com> Fri, Aug 26, 2016 at 9:49 AM
To: Milad Hosseinipour <mhp@vt.edu>

Milad,
Since the information you provided was very technical in nature, I passed it along to our General Manager. He and I
both agree, however, that we need to know more of the 'context' in which our information is used. To ensure Pilz is not being defamed in any way.

Please provide the context and we can turn this around quickly.

Thank you.

Felicia Caponi
Marketing Manager

Office: +1 (734) 354-0272 ext. 211 E-mail: f.caponi@pilzusa.com
United States Headquarters: Pilz Automation Safety, L.P., 7150 Commerce Blvd., Canton, MI 48187, USA
Phone: +1 (734) 354-0272 Tech Support: +1 (877) PILZUSA (877-745-9872) Fax: +1 (734) 354-3355 Website: http://www.pilz.us

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---

From: Milad Hosseinipour <mhp@vt.edu>
To: f.caponi@pilzusa.com
Date: 08/23/2016 12:32 PM
Subject: Permission to reprint pictures in my PhD dissertation

Thank you, Felicia, for your email and working on this with your General Manager. Attached, please find a copy of the actual context related to Pilz.

Please let me know if you need any more information.

Best,
Milad

---

Milad Hosseinipour <mhp@vt.edu>
To: Felicia Caponi <F.Caponi@pilzusa.com>
Fri, Aug 26, 2016 at 12:42 PM

Thank you, Felicia, for your email and working on this with your General Manager. Attached, please find a copy of the actual context related to Pilz.

Please let me know if you need any more information.

Best,
Milad

---

Felicia Caponi <F.Caponi@pilzusa.com>
To: Milad Hosseinipour <mhp@vt.edu>
Mon, Aug 29, 2016 at 8:36 AM

---
Milad Hosseinipour <mhp@vt.edu>  Thu, Sep 1, 2016 at 12:18 PM
To: Felicia Caponi <F.Caponi@pilzusa.com>

Thank you, Felicia, for your time processing my request. I really appreciate your consideration and follow up with your General Manager.

I was wondering if I can move forward with processing my Ph.D. dissertation. If you need any more information or details from me, please do not hesitate to let me know.

Thanks,
Milad

Felicia Caponi  Fri, Sep 2, 2016 at 8:24 AM
To: Milad Hosseinipour <mhp@vt.edu>

Milad,

Yes, you have permission to you the photos/descriptions/technical information from Pilz.

One additional item of interest -- our General Manager is very interested in this topic. We have been trying to get more involved in the Rail market in the US. Would it be possible for you to have a conversation with our GM and discuss your thesis a bit more, so he can garner further information on the topic?

Please let me know. Thank you.

Felicia Caponi
Marketing Manager

Office: +1 (734) 354-0272 ext. 211 E-mail: f.caponi@pilzusa.com
United States Headquarters: Pilz Automation Safety, L.P., 7150 Commerce Blvd., Canton, MI 48187, USA
Phone: +1 (734) 354-0272 Tech Support: +1 (877) PILZUSA (877-745-9872) Fax: +1 (734) 354-3355 Website:
http://www.pilz.us

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