Mail acceptance from Russ Tedrake

```
Return-Path: <russt@csail.mit.edu>
 Received: from ombre.laas.fr (ombre.laas.fr [IPv6:2001:660:6602:2::7])
                              by romulus.laas.fr (8.14.4/8.14.4/Debian-2ubuntu2.1) with ESMTP id t8ANT0hB032105 for <stonneau@romulus>; Fri, 11 Sep 2015 01:29:02 +0200
Received: from mxb1-1.relay.renater.fr (mxb1-1.relay.renater.fr [194.214.201.8])
by ombre.laas.fr (8.14.8/8.14.6) with ESMTP id t8ANT0ex026830
for <steve.tonneau@laas.fr>; Fri, 11 Sep 2015 01:29:00 +0200 (CEST)
Received: from outgoing.csail.mit.edu (outgoing-v6.csail.mit.edu [IPv6:2001:470:8b2d:7d2:ea9a:8fff:feb2:a9e4])
by mxb1-1.relay.renater.fr (asm) with ESMTP id E52C6600017
for <steve.tonneau@laas.fr>; Fri, 11 Sep 2015 01:28:59 +0200 (CEST)
Received: from pool-173-48-32-112.bstnma.fios.verizon.net ([173.48.32.112] helo=drake008.home)
                              by outgoing.csail.mit.edu with esmtpsa (TLS1.0:DHE_RSA_AES_256_CBC_SHA1:32)
                              (envelope-from <russt@csail.mit.edu>)
id 1ZaBGx-0000tH-Uy
for steve.tonneau@laas.fr; Thu, 10 Sep 2015 19:28:56 -0400 Content-Type: text/plain; charset=windows-1252
Mime-Version: 1.0 (Mac OS X Mail 8.2 \((2104\)))
Subject: Re: invitation to be a speaker - Workshop on multi-contact planning at ICRA'16
 From: Russ Tedrake <russt@csail.mit.edu>
In-Reply-To: <55F1659C.7060708@laas.fr>
Date: Thu, 10 Sep 2015 19:28:55 -0400

Message-Id: <CE98D560-BDDB-45B6-B6B6-87A67E0C14FA@csail.mit.edu>
References: <55F14443.1040704@laas.fr> <30FEDE32-98AC-4895-A9D3-791F48B18E93@csail.mit.edu> <55F1659C.7060708@laas.fr>
 To: Steve Tonneau <steve.tonneau@laas.fr>
X-Mailer: Apple Mail (2.2104)
 X-Original-Source-IP: 2001:470:8b2d:7d2:ea9a:8fff:feb2:a9e4
X-Bizanga: IMP - mxb1-1.relay.renater.fr
 X-Renater-SpamState: 0
X-Renater-SpamScore: -100
 X-Renater-SpamCause:
 gggruggvuc \\ \hat{f}vghtrhhoucdtuddr \\ feekgedrudejgdefudcute \\ fuodetggdote \\ fruc firrhhof hilhgymecut \\ figpfetv \\ figt \\ fdpgg \\ ftghnshhusghstghrihgsvgenuceurghilhhouhhtmecufedtt \\ denuces \\ vcftvggtihhpingvnhhtshcute \\ fuodetggdote \\ fruc firrhhof \\
 ulddquddttddmnecujfgurheptggguffhjgffgffkfhfvofesthhqmhdthhdtheenucfhrhhomheptfhushhsucfvvggurhgrkhgvuceorhhushhsthestghsrghilhdrmhhithdrvgguuheq
X-Renater-ServerName: mxb1-1.relay.renater.fr
 Content-Transfer-Encoding: 8bit
 X-MIME-Autoconverted: from quoted-printable to 8bit by romulus.laas.fr id t8ANT0hB032105
Robust feedback stabilization through unscheduled contact.
> On Sep 10, 2015, at 7:12 AM, Steve Tonneau <steve.tonneau@laas.fr> wrote:
> Dear Mr Tedrake,
> I need to prove that you actually accepted to participate to the
> workshop, and, if you agree with it I will join our conversation to the
> proposal.
> On a similar tone, I was wondering whether you could provide us
> with a title for your talk, even a temporary one, and eventually
> a two line abstract for it?
> Thanks a lot
> Steve Tonneau
```

> Le 10/09/2015 11:34, Russ Tedrake a écrit :

>> Steve,

>> Sounds great. I like the idea of assigned reading, and hope it plays out well. Yes - you can count me in.

>> | >> - Russ

>>> On Sep 10, 2015, at 4:50 AM, Steve Tonneau <steve.tonneau@laas.fr> wrote:

>>> Dear M Tedrake

>>> my name is Steve Tonneau,.... (Mail truncated)

Mail acceptance from Karen C. Liu

Return-Path: <karenliu@cc.gatech.edu>

```
Received: from ombre.laas.fr ([Pv6:2001:6602:2::7])
by romulus.laas.fr (8.14.4/8.14.4/Debian-2ubuntu2.1) with ESMTP id t7T7FYZE004130
for <stonneau@romulus>; Sat, 29 Aug 2015 09:15:38 +0200
Received: from mxb1-2.relay.renater.fr (mx6b1-2.relay.renater.fr [IPv6:2001:660:3027:1::9] (may be forged))
```

Received: from mxb1-2.relay.renater.fr (mxb61-2.relay.renater.fr [IPv6:2001:600:3027:1::9] (
by ombre.laas.fr (8.14.8/8.14.6) with ESMTP id t7T7FXT6005244
for <steve.tonneau@laas.fr; Sat, 29 Aug 2015 09:15:33 +0200 (CEST)
Received: from mxb1-2.relay.renater.fr (localhost [127.0.0.1])
by mxb1-2.relay.renater.fr (asm) with ESMTP id 63ACA2800C9
for <steve.tonneau+spliti@laas.fr; Sat, 29 Aug 2015 09:15:33 +0200 (CEST)
Received: from mxip3-inbound_gatech.edu (mxip3-inbound_gatech.edu [130.207.182.45])
by mxb1-2.relay.renater.fr (asm) with ESMTP id C0B3E2800BE;

Sat, 29 Aug 2015 09:15:32 +0200 (CEST) X-RemoteIP: 130.207.185.169

X-Group: ZimbraSenderGroup X-Policy: \$ZIMBRA X-MID: 188383151

X-SBRS: None

A-SBRS: None X-IronPort-AV: E=Sophos;i="5.17,429,1437451200"; d="scar208";a="188383151" X-GT-Spam-Rating: (0%) Received: from mail9.gatech.edu ([130.207.185.169])

by mxip3-outbound gatech edu with ESMTP, 29 Aug 2015 03:15:16 -0400 Received: from [10.0.0.5] (c-71-204-26-173.hsdl.ga.comcast.net [71.204.26.173])

(Authenticated sender: cliu38)

(Authenticated sender. Chinso)
by mail9.gatech.edu (Postfix) with ESMTPSA id 59E6A22277B;
Sat, 29 Aug 2015 03:15:16 -0400 (EDT)

Content-Type: text/plain; charset=utf-8
Mime-Version: 1.0 (Mac OS X Mail 8.2 \(\text{2104\}\))

Subject: Re: Invitation to be a key speaker - Workshop on multi-contact planning at ICRA'16 From: Karen Liu <karenliu@cc.gatech.edu> In-Reply-To: <55D2E618.2010307@laas.fr>

Date: Sat, 29 Aug 2015 03:15:15 -0400 Cc: "Bretl, Timothy Wolfe" <tbretl@illinois.edu>,

Nicolas Mansard <nmansard@laas.fr>,
Igor Mordatch <mordatch@cs.washington.edu>

Message-Id: <62894205-EC60-421C-BD27-68A0E2442B6E@cc.gatech.edu>References: <55D2E618.2010307@laas.fr>

To: Steve Tonneau (steve.tonneau@laas.fi>
X-Mailer: Apple Mail (2.2104)
X-Mailstro-Variables:
bnRleHQub2lwPXM6MTMwLjlwNy4xODluNDW4Y29udGV4dC5yYmwubGlzdD1zOrhjb250ZXh0LnJibC5zZXJ2ZXI9czq4Y29udGV4dC5zcGYucGFzcz1iOnRydWW4Y29udGV4dC5zcGYucm

Vhc29uPXM6uA== X-Original-Source-IP: 130.207.182.45 X-Bizanga: IMP - mxb1-2.relay.renater.fr

X-Renater-SpamState: 0

X-Renater-SpamScore: -100

X-Renater-SpamCause:

gggruggvucftvghtrhhoucdtuddrfeekfedrieejgdduvdeiucetufdoteggodetrfcurfhrohhfihhlvgemucftgffptefvgfftpdggtfgfnhhsuhgsshgtrhhisggvnecuuegrihhlohhuthemuceftddtnecusecvtfgytghiphhivghnthhs ucdlqddutddtmdenucfjughrpegtggfuhfgjfffgkfhfvffosehtqhhmtdhhtdejnecuhfhrohhmpefmrghrvgi X-Renater-ServerName: mxb1-2.relay.renater.fr

Content-Transfer-Encoding: 8bit X-MIME-Autoconverted: from quoted-printable to 8bit by romulus.laas.fr id t7T7FYZE004130

Hi Steve,

Sorry for the slow response.

The topics of this workshop are important and well aligned with my research interests. I'd be happy to give a presentation related to contact optimization.

Karen

- > On Aug 18, 2015, at 4:00 AM, Steve Tonneau <steve.tonneau@laas.fr> wrote:
- > Dear Ms Liu,
- > my name is Steve Tonneau,
- > and I am a post doctorate researcher at LAAS CNRS in Toulouse France.
- > Timothy Bretl, Nicolas Mansard, Igor Mordatch and myself are currently
- > writing a workshop proposal for the ICRA'16 conference. (Mail truncated)

Mail acceptance from Adrien Escande

Return-Path: <kheddar@gmail.com>

Received: from ombre.laas.fr (ombre.laas.fr [IPv6:2001:660:6602:2::7]) by romulus.laas.fr (8.14.4/8.14.4/Debian-2ubuntu2.1) with ESMTP id t82B4I0w006979

for <stonneau@romulus>; Wed, 2 Sep 2015 13:04:19 +0200 Received: from mxb2-2.relay.renater.fr (mxb2-2.relay.renater.fr [194.214.200.9])

Received: from mxb2-2.relay.renater.fr (mxb2-2.relay.renater.fr [194.214.200.9])
by ombre.laas.fr (8.14.8/8.14.6) with ESMTP id t82B4Inu006951
for <steve.tonneau@laas.fr>; Wed, 2 Sep 2015 13:04:18 +0200 (CEST)

Received: from mxb2-2.relay.renater.fr (localhost [127.0.0.1])
by mxb2-2.relay.renater.fr (asm) with ESMTP id 99729600508
for <steve.tonneau*split@laas.fr>; Wed, 2 Sep 2015 13:04:18 +0200 (CEST)

Received: from mail-lb0-x22a.google.com (mail-lb0-x22a.google.com [IPv6:2a00:1450:4010:c04::22a])
by mxb2-2.relay.renater.fr (asm) with ESMTP id 51A526005A3;

by mxb2-2.relay.renater.fr (asm) with ESM
Wed, 2 Sep 2015 13:04:18 +0200 (CEST)
Received: by lbcao8 with SMTP id ao8so3753985lbc.3;
Wed, 02 Sep 2015 04:04:18 -0700 (PDT)
DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;

d=gmail.com; s=20120113; h=mime-version:reply-to:in-reply-to:references:from:date:message-id

in-inime-version:hepy-to:hi-relepy-to:references.noin.dae.inessage-tu-subject:to:cc:content-type;
bh=RfdSoyNGxHfL81lhluz/GAJvYZzRtK1j1VZHsn9TQ38=;
b=X7Vq6YZxIgm0TLdnFU+oqACE6wh70y296d5aeDXbnhGlKouUm68/BPJDtmKntMkiK1
QAIXSlaw814jKKT1jNwhLqyuj9ZhRmqLSypd6oafvVwuL0NajDOHwnG1yomNPKUuQ+vi-xheorv54bGr11CNaQKIDhNn2XC99wG7E9+Hzb/QKsKRJ0rA+OFeP0RYt/7IcHl+OOv0c

zXPCipUYWITY6ZnX9rKrhlaKXA4bZGrQwnCGGPQNvchm0EL5DLNnmgKX+dIwQN8Gorc2 15R4eIIkFg10jpghbBgE+mWYzTyPGKQvaA8NreYYGiE/GaQj8UvoYmKMNjaWqfuC+anBarreYYGiE/GaQj8UvoYmKMNjaWqfuC+anAarreYYGiE/GaQj8UvoYmKMNjaWqfuC+anAarreYYGiE/GaQj8UvoYmKMNjaWqfuC+anAarreYYGiE/GaQjaWqfuC+anAarreYYGiE/GaQjaWqfuC+anAarreYYGiE/GaqqibyAqqib

FGCw==
X-Received: by 10.152.27.38 with SMTP id q6mr3299545lag.24.1441191858002; Wed

02 Sep 2015 04:04:18 -0700 (PDT) MIME-Version: 1.0

MINIE-Version: 1.0

Received: by 10.112.205.228 with HTTP; Wed, 2 Sep 2015 04:03:48 -0700 (PDT)

Reply-To: \(\text{Keply-To: \(\text{Keddar@gmail.com} \)

In-Reply-To: \(\text{S5E6A38E.8090204@laas.fr} \)

References: \(\text{S5EA6A622.5040806@laas.fr} \)

References: \(\text{S5EA6A622.5040806@laas.fr} \)

References: \(\text{S5EA6A9E.200406@laas.fr} \)

References: \(\text{S5EA6A9E.200406@laas.fr} \)

<55E6A38E 8090204@laas fr>

| From: Abderahmane Kheddar https://kheddar.gom/ail.com|
Date: Wed, 2 Sep 2015 13:03:48 +0200

Message-ID: <CAJiv2dcU+XMBLNfgbkMfU2yZC_AAxc29vBgHF8a=On-Kz74Qgw@mail.gmail.com>

Subject: Re: Invitation to be a key speaker - Workshop on multi-contact

planning at ICRA'16

To: Steve Tonneau <steve.tonneau@laas.fr>

Cc: Adrien Escande <adrien.escande@gmail.com>.

Abderrahmane KHEDDAR <Abderrahmane.Kheddar@lirmm.fr>,
Nicolas Mansard <nmansard@laas.fr>,
"Bretl, Timothy Wolfe" <tbretl@illinois.edu>,
lgor Mordatch <mordatch@swashington.edu>
Content-Type: multipart/alternative; boundary=089e0158bdeabfe2f7051ec1a05f

X-Mailstro-Variables: dGV4dC5idy5uYW1lPXM6uGNvbnRleHQuYncuc3RhdGU9bjowuGNvbnRleHQuaXAucmV2ZXJzZT1zOm1haWwtbGIwLXgyMmEuZ29vZ2xlLmNvbbhjb250ZXh0Lm9pcD1zOjJhMDA6MTQ1 MDo0MDEwOmMwNDo6MjJhuGNvbnRleHQucrJSLmxpc3Q9czq4Y29udGV4dC5yYmwuc2VydmVyPXM6uGNvbnRleHQuc3BmLnBhc3M9Yjp0cnVluGNvbnRleHQuc3BmLnJlYXNvbj1zOrg-X-Original-Source-IP: 2a00:1450:4010:c04::22a

X-Bizanga: IMP - mxb2-2.relay.renater.fr X-Renater-SpamState: 0

X-Renater-SpamScore: -100 X-Renater-SpamCause:

ggruggvucftvghtrihoucdtuddrfeekgedrtddvgdefkecutefuodetggdotefrucfrrhhofhhilhgvmecutffgpfetvffgtfdpggftfghnshhusghstghrihgsvgenuceurghilhhouhhtmecufedttdenucesvcftvggtihhpihgvnhhtshculddqdttddmnecujfgurheprhgjnfhfffkuffvtgesrgdtreertddtjeenucfhrhhomheptegsuggvrhhrrghhmhgrnhgvucfmhhgvuggurghruceokhhhvgguuggrrhesghhmrghilhdrtghomheqX-Renater-ServerName: mxb2-2 relay renater fr

--089e0158bdeabfe2f7051ec1a05f Content-Type: text/plain; charset=UTF-8 Content-Transfer-Encoding: quoted-printable

Dear all,

Adrien Escande will present all the activities. If for some reason he will not be able to do it (force majeure case), I will do it-Best regards,

AK-

Abderrahmane Kheddar

CNRS-AIST JRL UMI3218/CRT, Tsukuba, Japan CNRS-UM2 LIRMM IDH, Montpellier, France

2015-09-02 9:21 GMT+02:00 Steve Tonneau < steve.tonneau@laas.fr>:

- > Dear M Escande and Kheddar
- > thanks a lot for your answer

> We are really enthousiast about your speech.

- > We'll indicate your names in our workshop proposal
- > and will give you more details once the workshop has been accepted.
- > Again, thanks a lot
- > Regards

Mail acceptance from Shunichi Nozawa Return-Path: <nozawa@jsk.imi.i.u-tokyo.ac.jp> Received: from ombre.laas.fr (ombre.laas.fr [IPv6:2001:660:6602:2::7]) by romulus.laas.fr (8.14.4/8.14.4/Debian-2ubuntu2.1) with ESMTP id t8ADtEkl029229 for <stonneau@romulus>; Thu, 10 Sep 2015 15:55:17 +0200 Received: from mxb1-2.relay.renater.fr (mx6b1-2.relay.renater.fr [IPv6:2001:660:3027:1::9] (may be forged))

by ombre laas.fr (8.14.8/8.14.6) with ESMTP id t8ADtDHm022024 for <steve.tonneau@laas.fr's; Thu, 10 Sep 2015 15:55:14 +0200 (CEST)

Received: from mail-lb0-f170.google.com (mail-lb0-f170.google.com (209.85.217.170]) by mxb1-2.relay.renate.fr (asm) with ESMTP id 14EC5280074 for <steve.tonneau@laas.fr's; Thu, 10 Sep 2015 15:55:13 +0200 (CEST)

Received: by lbcjc2 with SMTP id jc2so23520167lbc.0 for <steve.tonneau@laas.fr>; Thu, 10 Sep 2015 06:55:11 -0700 (PDT) X-Google-DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed; d=1e100.net; s=20130820;

h=x-gm-message-state:mime-version:sender:in-reply-to:references:from:date:message-id:subject:to:cc:content-type

tancinessage-in-audicentectorum-type
content-transfer-encoding;
bh=tF5o2SW68yNiBE8Ugdl6AcCF0UqM+CCd3bcvsHxmlQw=;
b=F5/3BCqh70lq5OyKJ2+M0ueNugux6R1+IhvxQomqmbQY0uVyDhwwUutBNr6kpBuwho
pM+IYgNcEh8gaF1eopjHeV1l2nRnojnsjHkQaXWKO/ld84iYJHdk+SuKqKciTic+mqaN OSnOIwn2Oo/hNC+cllySaUu3Bxkd9bTUgUiuEGx3TgKJLjEo3o8o7gv/+hXTsrqlSIhZttGZjiuJu30/FWr8CQ0T1vSMrZGHtotQDoLVvRBrRaW2oUGM8pWzHZGYivLtajP/gTH4V

w8uBLolZE2ri/ZLTTidzaHMHAkSt9UiolPx+WOUl2JcqxZZO3kH3003EC4/gxqYYpEwZ X-Gm-Message-State: ALoCoQlzGLNoM4EQXH0JX82+ZO318EUeehTlhE2ZhmxzKCoqoE4muv5iaisYx8ddB40ZLx1vm0H2

X-Received: by 10.152.5.71 with SMTP id q7mr752370laq.92.1441893311269; Thu, 10 Sep 2015 06:55:11 -0700 (PDT)

MIME-Version: 1.0

Sender: nozawa@jsk.imi.i.u-tokyo.ac.jp

Received: by 10.114.60.141 with HTTP; Thu, 10 Sep 2015 06:54:31 -0700 (PDT) In-Reply-To: <55F16640.1040206@laas.fr>
References: <55D4A412.8000308@stevetonneau.fr> <55E55452.4020509@laas.fr>

<55E6A2EC.4090902@laas.fr> <55F16640.1040206@laas.fr>

From: Shunichi Nozawa <nozawa@jsk.t.u-tokyo.ac.jp

Date: Thu, 10 Sep 2015 22:54:31 +0900 X-Google-Sender-Auth: UskekA7nSqesTUP2elpEg2Niyvg

Message-ID: <CA+TOCNd4V9ZImtJMLapmWMawxFWT7MnE9hv8tcC+kDnJa4PsJA@mail.gmail.com>Subject: Re: Invitation to be a key speaker - Workshop on multi-contact

planning at ICRA'16
To: Steve Tonneau < steve.tonneau@laas.fr>

10. Steve folmead@iast.iv= Cc: kyoin kyoin@jsk.tu-tokyo.ac.jp, Inaba Masayuki <inaba@i.u-tokyo.ac.jp> Content-Type: text/plain; charset=UTF-8 X-Original-Source-IP: 209.85.217.170 X-Bizanga: IMP - mxbl-2.relay.renater.fr X-Renater-SpamState: 0

X-Renater-SpamCause: -100 X-Renater-SpamCause:

gggruggvucftvghtrhhoucdtuddrfeekgedrudeigdejgecutefuodetggdotefrucfrrhhofhhilhgvmecutffgpfetvffgtfdpggftfghnshhusghstghrihgsvgenuceurghilhhouhhtmecufedttdenucesvcftvggtihhpihgvnhhtshculddqddttddmnecujfgurhepjghfhffkffuvfgtgfesthhqredttddtjeenucfhrhhomhepufhhuhhnihgthhhiucfpohiirgifrgeuoehnohiirgifrgesjhhskhdrthdruhdqthhokhihohdrrggtrdhjpheq

X-Renater-ServerName: mxb1-2.relay.renater.fr

Content-Transfer-Encoding: 8bit

X-MIME-Autoconverted: from quoted-printable to 8bit by romulus.laas.fr id t8ADtEkI029229

Dear Steve,

I'm Shunichi Nozawa.

Sorry for late reply and thank you very much for your kind invitation. It is an honor for us to attend to the workshop.

I'll send a temporary title and abstract:

Title:

Planning and execution of whole-body environment and object manipulatoin with a life-sized humanoid robot

Abstract:

In this presentation, we introduce planning and execution system for whole-body environment and object manipulation with a life-sized humanoid robot

by adaptive selecting of manipulation strategy and robust motion execution through haptic sensing of actual contact states and object's motion.

If I need to send more information, please let me know

2015-09-10 20:15 GMT+09:00 Steve Tonneau < steve.tonneau@laas.fr>

> Dear Mr Nozawa

> I was wondering whether you had time to consider our offer ?

> In case you accepted, I was wondering whether you could provide us > with a title for your talk, even a temporary one, and eventually

> a two line abstract for it?

> Thanks a lot

> Steve Tonneau

Mail acceptance from Siddhartha Srinivasa Return-Path: <siddh@cs.cmu.edu> Received: from ombre.laas.fr (ombre.laas.fr [IPv6:2001:660:6602:2::7]) by romulus.laas.fr (8.14.4/8.14.4/Debian-2ubuntu2.1) with ESMTP id t8ABchlr023343 for <stonneau@romulus>; Thu, 10 Sep 2015 13:38:44 +0200 Received: from mxb2-1.relay.renater.fr (mxb2-1.relay.renater.fr [194.214.200.8]) by ombre laas. fr (8.14.8/8.14.6) with ESMTP id t8ABegjE027827 for <steve.tonneau@laas.fr>; Thu, 10 Sep 2015 13:38:43 +0200 (CEST) Received: from smtp.andrew.cmu.edu (SMTP.ANDREW.CMU.EDU [128.2.157.37]) by mxb2-1-relay.renater.fr (asm) with ESMTP id 109B160006E for <steve.tonneau@laas.fr>; Thu, 10 Sep 2015 13:38:41 +0200 (CEST) Received: from [10.0.0.12] (c-67-163-245-115.hsd1.pa.comcast.net [67.163.245.115]) (user=ss5 mech=PLAIN (0 bits)) by smtp_andrew.cmu.edu (8.14.88.14.8) with ESMTP id t8ABbsqZ009545 (version=TLSv1/SSLv3 cipher=DHE-RSA-AES256-SHA bits=256 verify=NOT) for <steve.tonneau@laas.fr>; Thu, 10 Sep 2015 07:38:40 -0400 From: Siddhartha Srinivasa <siddh@cs.cmu.edu> Content-Type: text/plain; charset=utf-8 Mime-Version: 1.0 (1.0) Subject: Re: invitation to be a speaker - Workshop on multi-contact planning at ICRA'16 Message-Id: <F22BA563-2FA1-4BCB-8463-5194A32C3363@cs.cmu.edu> Date: Thu, 10 Sep 2015 07:38:40 -0400 References: <55EDF376.5030406@laas.fr> <0939A29B-10EF-4766-8110-E0E48A8CC4AA@cs.cmu.edu> <55F164F2.8020807@laas.fr> In-Reply-To: <55F164F2.8020807@laas.fr> To: Steve Tonneau < steve.tonneau@laas.fr> X-Mailer: iPhone Mail (12H321) X-PMX-Version: 6.0.3.2322014, Antispam-Engine: 2.7.2.2107409, Antispam-Data: 2015.9.10.112718 X-SMTP-Spam-Clean: 28% (SXL_IP_DYNAMIC 3, HTML_00_01 0.05, HTML_00_10 0.05, MIME_LOWER_CASE 0.05, SUPERLONG_LINE 0.05, BODY_SIZE_3000_3999 0, BODY_SIZE_5000_LESS 0, BODY SIZE 7000 LESS 0, DATE TZ NA 0, FROM EDU TLD 0, NO URI HTTPS 0, RDNS BROADBAND 0, RDNS GENERIC POOLED 0, RDNS POOLED 0, RDNS SUSP 0, RDNS SUSP GENERIC 0, RDNS SUSP SECRETIC 0, RDNS SUSP GENERIC 0, RDNS SUSP SECRETIC 0, REFERENCES 0, ANY URI 0, BOUNCE CHALLENGE SUBJ 0, BOUNCE NDR SUBJ EXEMPT 0, C230066 P1 40, C 0, CT E 0, CT TEXT PLAIN 0, FORWARDED MSG 0, FRAUD INTRO 0, HAS FROM 0, HAS MSGID 0, HAS X MAILER 0, IN REP TO 0, MIME TEXT ONLY 0, MIME VERSION 0, MSGID APPLEMAIL 0, PHISH SPEAR STRUCTURE 1 0, RDNS BROADBAND 3 0, RDNS POOLED 7 0, REFERENCES 0, SANE MSGID 0, SUBJ ALPHA, NEGATE 0, TO MALFORMED 2 0, URI NO PATH 0, URI NO WWW 0, URI NS) X-SMTP-Spam-Score: 28% X-Scanned-By: MIMEDefang 2.74 on 128.2.157.37 X-Original-Source-IP: 128.2.157.37 X-Bizanga: IMP - mxb2-1.relay.renater.fr X-Renater-SpamState: 0 X-Renater-SpamScore: -100 X-Renater-SpamCause: gggruggvucftvghtrhhoucdtuddrfeekgedrudeigdeggecutefuodetggdotefrucfirrhhofhhilhgvmecutffgpfetvffgtfdpggftfghnshhusghstghrihgsvgenuceurghilhhouhhtmecufedttdenucesvcftvggtihhpihgvnhhtshc ulddquddttddmnecujfgurhephfgtgfgguffkffhfjgfvofesthhqmhdthhdtjeenucfhrhhomhepufhiugguhhgrrhhthhgrucfurhhinhhivhgrshgruceoshhiugguhhestghsrdgtmhhurdgvughuqe X-Renater-ServerName: mxb2-1.relay.renater.fr Content-Transfer-Encoding: 8bit X-MIME-Autoconverted: from quoted-printable to 8bit by romulus.laas.fr id t8ABchIr023343 Physics-based manipulation under clutter and uncertainty

My research goal is to bridge the gap between what robots can do now and what they are capable of doing. Towards that goal, I will overview some of our recent work on (1) using physics to increase the repertoire of manipulation actions beyond pick-and-place to nonprehensile and whole-arm manipulation, (2) orchestrating this repertoire to reconfigure clutter, (3) using physics to funnel uncertainty via open-loop robust controllers, and (4) representing uncertainty via state estimators and reducing uncertainty via information-seeking actions.

```
Sidd.
```

```
(Rapidly written in motion)
> On Sep 10, 2015, at 7:09 AM. Steve Tonneau <steve.tonneau@laas.fr> wrote
> Dear mister Srinivasa,
> I need to prove that you actually accepted to participate to the
> workshop, and, if you agree with it I will join our conversation to the
> On a similar tone, I was wondering whether you could provide us
> with a title for your talk, even a temporary one, and eventually
> a two line abstract for it?
> Thanks a lot
> Steve Tonneau
> Le 07/09/2015 23:20, Siddhartha Srinivasa a écrit :
>> Sure, I'd be happy to give a talk!
>> Sidd.
>> (Rapidly written in motion)
>>> On Sep 7, 2015, at 4:28 PM, Steve Tonneau <steve.tonneau@laas.fr> wrote:
>>> Dear M Srinivasa and Dellin (mail truncated)
```

Mail acceptance from Quang-Cuong Pham

Return-Path: <cuong.pham@normalesup.org>

Received: from ombre laas.fr (ombre laas.fr [IPv6:2001:660:6602:2::7])
by romulus.laas.fr (8.14.4/8.14.4/Debian-2ubuntu2.1) with ESMTP id t8A8uX3s010059

 $for < stonneau@romulus >; Thu, 10 Sep 2015 10:56:34 +0200 \\ Received: from mxb1-2.relay.renater.fr [IPv6:2001:660:3027:1::9] (may be forged))$

Received: from mxb1-2.relay.renater.fr (mxb61-2.relay.renater.fr [IPv6:2001:660:3027:1 by ombre.laas.fr (8.14.8/8.14.6) with ESMTP id t8A8uX7H006347 for <steve.tonneau@laas.fr>; Thu, 10 Sep 2015 10:56:33 +0200 (CEST) Received: from nef2.ens.fr (nef2.ens.fr [129.199.96.40]) by mxb1-2.relay.renater.fr (asm) with ESMTP id 663E728016C for <steve.tonneau@laas.fr>; Thu, 10 Sep 2015 10:56:33 +0200 (CEST) Received: from phare.normalesup.org (phare.normalesup.org [129.199.129.80]) by nef2.ens.fr (8.13.6/10.128121999) with ESMTP id t8A8uWFj028109

Thu, 10 Sep 2015 10:56:33 +0200 (CEST)

X-Envelope-To: steve.tonneau@laas.fr

Received: from MAE-Macbook.local (unknown [155.69.191.254])
by phare.normalesup.org (Postfix) with ESMTPSA id 284F2E96CA;
Thu, 10 Sep 2015 10:56:31 +0200 (CEST)
Subject: Re: Invitation to be a speaker - Workshop on multi-contact planning

at ICRA'16

To: Steve Tonneau <steve.tonneau@laas.fr>

References: <55F140F9.7000606@laas.fr>

From: Quang-Cuong Pham <cuong.pham@normalesup.org>
Message-ID: <55F145BE.2090704@normalesup.org>

Message-1D: <>5F143BE.2090/04(@normalesup.org> Date: Thu, 10 Sep 2015 16:56:30 +0800 User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.10; rv:38.0) Gecko/20100101 Thunderbird/38.2.0 MIME-Version: 1.0

In-Reply-To: <55F140F9.7000606@laas.fr>
Content-Type: text/plain; charset=utf-8

Content-Transfer-Encoding: 7bit X-Greylist: Sender IP whitelisted, not delayed by milter-greylist-4.4.3 (nef2.ens.fr [129.199.96.32]); Thu, 10 Sep 2015 10:56:33 +0200 (CEST) X-Original-Source-IP: 129.199.96.40

X-Bizanga: IMP - mxb1-2.relay.renater.fr

X-Renater-SpamState: 0

X-Renater-SpamScore: -50

X-Renater-SpamCause:

A-Renater-Spanic ause. gggruggvucftvghtrhhoucdtuddrfeekgedrudeigdduudcutefuodetggdotefrucfirrhhofhhilhgvmecutffgpfetvffgtfdpggfffghnshhusghstghrihgsvgenuceurghilhhouhhtmecufedttdenucesvcftvggtihhpihgvnhhtshc ulddquddttddmnegoteefjeefqddtgeculdehtddmnecujfgurhepuffvfhfhkfffgggjggtgfesthejrgdttdefjeenucfhrhhomhepsthurghnghdqvehuohhnghcurfhhrghmuceotghuohhnghdrphhhrghmsehnohhrmhgrlhgvshhuphdrohhrgh
X-Renater-ServerName: mxb1-2.relay.renater.fr

Bonjour Steve

Merci beaucoup pour l'invitation que j'accepte avec plaisir.

En fonction de ce qui vous arrange, je peux presenter quelque chose dans

le topic 1 aussi bien que dans le topic 2.

Merci et bien cordialement,

Cuong

On 10/9/15 4:36 pm, Steve Tonneau wrote: > Timothy Bretl, Nicolas Mansard, Igor Mordatch and myself are currently > writing a workshop proposal for the ICRA'16 conference > The objective of this workshop is to gather people working in the fields > of motion planning, trajectory optimisation, as well as real robot > control, and propose a debate on the combination of these various > aspects into a functional workflow for robot motions in constrained > environments > The workshop will be divided in three sessions, with additional debate > sessions, on the following topics:: > + Motion and contact planning in cluttered environments > + Generation of contact trajectories through optimization > + Executing multi contact trajectories on actual robot > We would be honored to count one of you as a speaker for the session on > trajectory optimization > If you accepted to speak, you would be required to give a 15 / 20 min > talk during your session. > In order to enhance debate, we would require from the speakers, a few > months before the workshop, to recommend the reading of one or two > papers, available on the workshop website. > Selected groups of students will read the paper, collect questions asked > online by the public, and prepare a critic presentation of the papers > that will start a topic specific debate session > We hope you are interested in our proposal. If you have any questions or > require more information, please do not hesitate to contact > We look forward to your reply > Sincerely

> Steve Tonneau, Timothy Bretl, Nicolas Mansard and Igor Mordatch

Quang-Cuong Pham www.normalesup.org/~pham