

**Tenth International Symposium on
Space Terahertz Technology**

Authors and Registered Participants

*****A*****

Andrey Baryshev
SRON
P.O. Box 800
9700 AV Groningen
The Netherlands
andrey@SRON.rug.nl

Robert Bass
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA
rbb7v@virginia.edu

D.A. Beintema
SRON
P.O. Box 800
9700 Av. Groningen
The Netherlands
D.A.Beintema@SRON.Rus.NL

Dominic Benford
California Institute of Technology
M.C. 320-47
Pasadena, CA 91125
dbenford@tacos.caltech.edu

Manju Bhat
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
msb5u@virginia.edu

William L. Bishop
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
wlb@virginia.edu

Olga Boric-Lubecke
RIKEN Photodynamics Res. Ctr.
Inst. Physical & Chemical Res.
19-1399 Koeji, Nagamachi
Aoba-Ku, Sendai 980
Japan
olga@postman.riken.go.jp

Willie Bowen
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
web7c@virginia.edu

Richard Bradley
National Radio Astronomy Observatory
2015 Ivy Rd., Ste. 219
Charlottesville, VA 22903
rbradley@nrao.edu

Jean Bruston
Jet Propulsion Laboratory
California Institute of Technology
MS 168-314
Torrance, CA 90503
bruston@merlin.jpl.nasa.gov

*****C*****

Carey Cates
UCSB
Quantum Institute
Santa Barbara, CA 93102
isabel@physics.ucsb.edu

Goutam Chattopadhyay
California Institute of Technology
MS 320-47
Pasadena, CA 91125
goutam@caltech.edu

Ming-Tang Chen
Inst. Of Astronomy & Astrophysics
Academia Sinica
Nankang
P.O. Box 1-87
Taipei, Taiwan 115
mchen@asiaa.sinica.edu.tw

Denis Chouvaev
Dept. of Microelectronics & Nanoscience
Chalmers University of Technology
S-412 96 Gothenburg, Sweden
chouvaev@fy.chalmers.se

Tom Crowe
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
twc8u@virginia.edu

*****D*****

Thijs de Graauw
SRON
P.O. Box 800
Groningen 9700 AV
The Netherlands
tlijdsd@ Groningen.rug.nl

Gerhard DeLange
SRON
P.O. Box 800
9700 AV Groningen
The Netherlands
gert@ Groningen.rug.nl

Marc DeVincentis
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
mjd9f@virginia.edu

Aaron Datesman
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
ad3d@virginia.edu

Bascom Deaver
University of Virginia
Physics Dept.
Charlottesville, VA 22903
bsd@virginia.edu

Lars Dillner
Chalmers University of Technology
SE-412 96 Goteborg
Sweden
dillner@ep.chalmers.se

James Duan
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
zd3g@virginia.edu

Yiwei Duan
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
yd3v@virginia.edu

Erik Duerr
Massachusetts Institute of Technology
Lincoln Laboratory
244 Wood St., E122F
Lexington, MA 02139
duerr@mit.edu

*****E*****

Jack East
University of Michigan
2301 EECS Building
Ann Arbor, MI 48109
jeast@eeecs.umich.edu

Pierre Echternach
Jet Propulsion Laboratory
Center for Space Microelectronics Tech.
4800 Oak Grove Dr.
M/S 302-231
Pasadena, CA 91109
pierre.m.echternach@jpl.nasa.gov

Tenth International Symposium on Space Terahertz Technology, Charlottesville, March 1999

Mick Edgar
California Institute of Technology
Downs Lab of Physics MC 320-47
Pasadena, CA 91125
mick@submm.caltech.edu

John Effland
National Radio Astronomy Observatory
2015 Ivy Rd., Ste. 219
Charlottesville, VA 22903
jeffland@nrao.edu

Neal Erickson
University of Massachusetts
Dept. of Physics and Radio Astronomy
Lederle 619
Amherst, MA 01003
neal@fcrao1.phast.umass.edu

*****F*****

Klebert Feitosa
University of Massachusetts
Dept. of Physics and Astronomy
633 LGRT
Amherst, MA 01003
kfeitosa@phast.umass.edu

Wilms (Danny) Floet
Delft University of Technology
Nyenborgh
9747 AG Groningen
The Netherlands
wilms@phys.rug.nl

*****G*****

Walter Ganzevles
University of Delft
University of Groningen
Nijenborgh 4
Groningen, The Netherlands
ganzevles@phys.rug.nl

Israel Galin
Aerojet
P.O. Box 296
Azusa, CA 91702
galini@msl.aes.com

J.R. Gao
SRON
P.O. Box 800
9700 AV Groningen
The Netherlands
gao@phys.rug.nl

Boris Gelmont
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
gb7k@virginia.edu

Eyal Gerech
University of Massachusetts
Dept. of Physics and Astronomy
817 LGRC
Amherst, MA 01003
gerecht@fcrao1.phast.umass.edu

Eugene Gershenson
Moscow State Pedagogical University
Department of Physics
29 M. Pirogovskaya Str
Moscow, Russia 119435
geshenson@rpl.mpgu.msk.su

Gregory Gol'tsman
Department of Physics
Moscow State Pedagogical University
29 M. Pirogovskaya Str
Moscow, Russia 119435
goltsman@rpl.mpgu.msk.su

*****H*****

Oliver Harnack
Jet Propulsion Laboratory
M/S 168-314
4800 Oak Grove
Pasadena, CA 91109
Oliver.Harnack@jpl.nasa.gov

Bert Hayden
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
ahh3v@virginia.edu

Song "Jackie" He
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
sh5k@virginia.edu

Jeffrey Hesler
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
jlh6r@virginia.edu

Neil Horner
National Radio Astronomy Observatory
2015 Ivy Rd., Ste. 219
Charlottesville, VA 22903
nhorner@nrao.edu

Heinz-Wilhelm Hubers
DLR Institute of Space Sensor Technology
Rudower Chaussee 5
D-12489 Berlin, Germany
heinz-wilhelm.huebers@dlr.de

Kai Hui
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
kh2r@virginia.edu

*****I*****

Mattias Ingvarson
Chalmers University of Technology
SE-412 96 Goteborg, Sweden
ingvarson@ep.chalmers.se

Kate Isaak
University of Cambridge
Cavendish Laboratory
Madingley Rd.
Cambridge, CB3 0HE, UK
isaak@nrao.cam.ac.uk

*****J*****

Brian Jackson
University of Groningen, FDL
9747 AG Groningen
The Netherlands
jackson@phys.rug.nl

Karl Jacobs
KOSMA,
I. Physikalisches Inst.
University of Cologne
Zuelpicher Str. 77
50937 Cologne, Germany
jacobs@phl.uni-koeln.de

Willem Jellema
SRON
P.O. Box 200
Groningen, The Netherlands 9700AV
w.jellema@sron.nl

Steve Jones
Virginia Semiconductor, Inc.
1501 Powhatan St.
Fredericksburg, VA 22401
shjones@cstone.net

Brian Justin
Ericsson
Mtn. View Road
M/S 2700
Lynchburg, VA 24502
brian.justin@ericsson.com

*****K*****

Boris S. Karasik
Jet Propulsion Laboratory
M/S 168-314
4800 Oak Grove Dr.
Pasadena, CA 91109
boris.karasik@jpl.nasa.gov

Alexandre Karpov
California Institute of Technology
Downs Lab of Physics
MC 320-47
Pasadena, CA 91125
karpov@iram.fr

Tenth International Symposium on Space Terahertz Technology, Charlottesville, March 1999

Jonathan Kawamura
California Institute of Technology
Downs Lab of Physics
MC 320-47
Pasadena, CA 91125
kawamura@submm.caltech.edu

A.R. Kerr
National Radio Astronomy Obs.
2015 Ivy Road, Ste. 219
Charlottesville, VA 22903
akerr@nrao.edu

Pourya Khosropanah
Chalmers University of Technology
Dept. of Microelectronics
Microwave Electronics Lab
S 412 96 Goteborg, Sweden
pourya@ep.chalmers.se

Alan Kleinsasser
Jet Propulsion Laboratory
M/S 302-231
4800 Oak Grove Dr.
Pasadena, CA 91109
klein@vaxeb.jpl.nasa.gov

Satoshi Kohjiro
Electrotechnical Lab
1-1-4 Umezono
Tsukuba, 305-8568 Japan
khjiro@etl.go.jp

Jacob Willem Kooi
California Institute of Technology
M/S 320-47
Pasadena, CA 91125
kooi@submm.caltech.edu

Matthias Kroug
Chalmers University of Technology
Dept. of Microelectronics
S-412 96 Gothenburg, Sweden
kroug@fy.chalmers.se

*****L*****

James Lamb
California Institute of Technology
P.O. Box 968
Big Pine, CA 93513

lamb@ovro.caltech.edu

Chih-Chien Lee
U.S. Army Research Laboratory
RF & Electronics
Adelphi, MD 20783

Mark Lee
University of Virginia
Physics Department
Charlottesville, VA 22903
ml3g@virginia.edu

Chao-Te Li
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
cl5g@virginia.edu

Arthur W. Lichtenberger
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
awl11@virginia.edu

C.-I. Lin
Institut für Hochfrequenztechnik
TU Darmstadt
Merckstrasse 25
D-64283 Darmstadt, Germany

Hao Lin
Engineering Physics Department
University of Virginia
Charlottesville, VA 22903
hl8k@virginia.edu

Victor Lubecke
RIKEN Photodynamics Res. Ctr.
Inst. Physical & Chemical Res.
19-1399 Koeji, Ngamachi
Aoba-Ku, Sendai 980
Japan
victor@postman.sasr.edu.au

*****M*****

William R. McGrath
Jet Propulsion Laboratory
M/S 168-314
4800 Oak Grove Dr.
Pasadena, CA 91109
william.r.mcgrath@jpl.nasa.gov

Chris Mann
Rutherford Appleton Laboratory
Chilton, Didcot
Oxfordshire, OX11 0QX
The United Kingdom
c.m.mann@rl.ac.uk

Steve Marazita
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
smm7k@virginia.edu

Shuji Matsuura
California Institute of Technology
M/S 150-21
Geological & Planetary Sciences
Pasadena, CA 91125
matsuura@gps.caltech.edu

Phil Mavskopf
University of Massachusetts
Dept. of Physics & Astronomy
632 LGRC
Amherst, MA 01003
mavskopf@fcrao1.phast.umass.edu

Imran Mehdi
Jet Propulsion Laboratory
M/S 168-314
4800 Oak Grove Dr.
Pasadena, CA 91109
imran.mehdi@jpl.nasa.gov

Harald Merkel
Dept. of Microelectronics
Chalmers University of Technology
S-412 96 Gothenborg, Sweden
harald@ep.chalmers.se

Dave Miller
California Institute of Technology
Downs Lab of Physics
M/S 320-47
Pasadena, CA 91125
davem@tarsus.submm.caltech.edu

Norikazu Mizuno
Dept. of Astrophysics
Nagoya University
Chikusa-KU
Nagoya 464-8602 Japan
norikazu@a.phys.nagoya-u.ac.jp

Matthew Morgan
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
mam3p@virginia.edu

Salez Morvan
Denirn-Observatoire de Paris
77 Avenue Denfert.Rochereau
Paris, France 75016
salez@obspm.fr

Ville Mottonen
Helsinki University of Technology
PL 3000
02015 HUT (EPSOO) Finland
vmo@radio.hut.fi

Urs Mueller
KOSMA
I Physikalisches Institut
University of Cologne
50937, Cologne, Germany
mueller@phl.uni-koeln.de

*****N*****

Gopal Narayanan
University of Massachusetts
Five College Radio Astronomy Observatory
Amherst, MA 01003
gopal@fcrao1.phast.umass.edu

Tenth International Symposium on Space Terahertz Technology, Charlottesville, March 1999

Takashi Noguchi
Nobeyama Radio Observatory
Nobeyama, Minami-Saku
Nagano 384-1305
Japan
noguchi@nro.nao.ac.jp

*****O*****

Paul Ostdiek
AFRL
2241 Avionics Circle
Wright-Patterson AFT, OH 45433
paul.ostdiek@sn.af.mil

Creidhe O'Sullivan
National University of Ireland, Maynooth
Experimental Physics Department
Co. Kildare, Ireland
creidhe.osullivan@may.ie

*****P*****

Shing-Kuo Pan
National Radio Astronomy Observatory
2015 Ivy Rd., Ste. 219
Charlottesville, VA 22903
span2@nrao.edu

Nagini Paravastu
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
np4e@virginia.edu

John M. Payne
National Radio Astronomy Observatory
949 N. Cherry Avenue
Campus Bldg. 65
Tucson, AZ 85721-0655
jpayne@nrao.edu

Luca Perregini
University of Pavia
Dept. of Electronics
Via Ferrata 1
27100 Pavia, Italy
perregini@ece.unipv.it

Gerry Petencin
National Radio Astronomy Observatory
2015 Ivy Rd., Ste. 219
Charlottesville, VA 22903
gpetenci@nrao.edu

Gernot Pomrenke
AFOSR/NM
801 N. Randolph St.
Arlington, VA 22203
gernot.pomrenka@afosr.af.mil

David Porterfield
Virginia Millimeter Wave
706 Forest St., Ste. D
Charlottesville, VA 22903
porterfield@Cstone.net

Marian Pospieszalski
National Radio Astronomy Observatory
2015 Ivy Rd., Ste. 219
Charlottesville, VA 22903
Mpospies@nrao.edu

*****Q*****

*****R*****

Antti Raisenen
Helsinki University of Technology
P.O. Box 3000
HUT (ESPOO) 02015 Finland
ara@radio.hut.fi

Sanjay Raman
VPI&SU
Electrical & Computer Engineering
340 Whittemore Hall
Blacksburg, VA 24061
sraman@vt.edu

Frank Rice
California Institute of Technology
Submillimeter Astrophysics
M/S 320-47
Pasadena, CA 91125
rice@submm.caltech.edu

Manuel Rodriguez-Girones
Darmstadt Technical University
Merckstrasse 25
Darmstadt, Germany 64283
hfmwe009@hrz2.hrz.tu-darmstadt.de

*****S*****

Chris St. Jean
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
cs6e@virginia.edu

Kamaljeet Saini
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
kss4w@virginia.edu

Erich Schlecht
Jet Propulsion Laboratory
M/S 168-314
4800 Oak Grove Dr.
Pasadena, CA 91109
erichs@merlin.jpl.nasa.gov

Gerhard Schoenthal
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
gss2r@virginia.edu

Karl Schuster
IRAM
300, Rue de la Piscine
38406 St. Martin d'Herès, France
schuster@iram.fr

Gerhard Schwaab
Ruhr-Universität Bochum
Physical Chemistry Department
D-44801 Bochum, Germany
gerhard.schwaab@ruhr-uni-bochum.de

Masumichi Seta
Communications Research Laboratory
4-2-1, Nukui-Kita-machi
184-8795 Koganei, Tokyo, Japan
seta@crl.go.jp

Sheng-Cai Shi
Purple Mountain Observatory
2 West Beijing Road
Nanjing, JiangSu 21008 China
Shengcai@public1.ptt.js.cn

Sergey V. Shitov
Inst. of Radio Engineering &
Electronics
Russian Academy of Science
103907 Moscow, Russia
sergey@hitech.cplire.ru

Irfan Siddiqi
Yale University
RM 405 Becton Center
15 Prospect St.
New Haven, CT 06520
irfan@siddiqi@yale.edu

Anders Skalare
Jet Propulsion Laboratory
M/S 168-314
4800 Oak Grove Dr.
Pasadena, CA 91109
anders.skalare@jpl.nasa.gov

Jan Stake
Chalmers University of Technology
SE-412 96 Goteborg
Sweden
stake@ep.chalmers.se

Joel Stokolka
KOSMA
I Physikalisches Institut
Universitai Zu Kofin
Suelpicher Str. 77
50937 Koeln, Germany
stodolka@phl.uni-koeln.de

Tenth International Symposium on Space Terahertz Technology, Charlottesville, March 1999

Larry Suddarth
University of Virginia
Physics Department
Charlottesville, VA 22903
lts7x@virginia.edu

*****T*****

Gregory Tait
Virginia Commonwealth University
Dept. of Electrical Engineering
P.O. Box 843072
Richmond, VA 23284
gtait@vcu.edu

Dorsey "Skip" Thacker
National Radio Astronomy Observatory
2015 Ivy Rd., Ste. 219
Charlottesville, VA 22903
sthacker@nrao.edu

Edward Tong
Harvard-Smithsonian Center
For Astrophysics
60 Garden St.
MS42
Cambridge, MA 02138
Etong@cfa.harvard.edu

*****U*****

Sadik Ulker
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
su4m@virginia.edu

*****V*****

Herman van de Stadt
SRON
P.O. Box 800
9700 AV Groningen
The Netherlands
herman@SRON.rug.nl

Aleksandr Verevkin
Yale University
Rm. 401, Becton Center
15 Prospect St.

New Haven, CT 06520
Aleksand2.vezerkin@yale.edu

*****W*****

Ming-Tye Wang
Institute of Astronomy & Astro-
Physics
Academia Sinica
Material Science Center
National Tsing Hua University
Shin-Chu, Taiwan, ROC
mijwang@msc.nthu.edu.tw

John Ward
California Institute of Technology
Downs Lab of Physics
MC 320-47
Pasadena, CA 91125
ward@submm.caltech.edu

Ken-ichi Watabe
Communications Research Laboratory
Ministry of Posts and Telecommunications
Optoelectronics Section
Photonic Technology Division
4-2-1 Nukui-kita
Koganei, Tokyo 184-8795 Japan
watabe@crl.go.jp

John Webber
National Radio Astronomy Observatory
2015 Ivy Rd., Ste. 219
Charlottesville, VA 22903
jwebb@nrao.edu

Bobby Weikle
University of Virginia
Dept. of Electrical Engineering
Thornton Hall
Charlottesville, VA 22903
rmw5w@virginia.edu

Nick Whyborn
SRON
P.O. Box 800
9700 AV Groningen
The Netherlands
nick@sron.rub.nl

David Wilsher
Rutherford Appleton Labs
Chilton, Didcot
Oxon, OX110QX, UK
D.S.Wilsher@rl.ac.uk

S. Withington
Cambridge University
Cavendish Labs
Madingley Rd.
Cambridge CB3 0HE, UK
stafford@mrao.cam.ac.uk

Dwight Woolard
Army Research Office
Research Triangle Park, NC 27709
woolard@aro-emh1.army.mil

Rolf A. Wyss
Jet Propulsion Laboratory
M/S 168-314
4800 Oak Grove Dr.
Pasadena, CA 91109
randwyss@merlin.jpl.nasa.gov

*****X*****

Kecheng Xiao
Astronomy Lab
Dept. of Astrophysics
Nagoya University
Chikusa-Ku
Nagoya 464-8602 Japan
xkc@a.phys.nagoya-u.ac.jp

*****Y*****

Pavel Yagoubov
Chalmers University of Technology
Dept. of Microelectronics
S-412 96 Goteborg, Sweden
yagoubov@ep.chalmers.se

Delorme Yan
Denian – Observatoire de Paris
77 Avenue Denfert-Rochereau
75016 Paris, France
delarmo@atoile.obspm.fr

G. Yassin
Cambridge University
Cavendish Laboratory
Madingley Rd.
Cambridge CR3 0HE, UK
ghassan@mrao.cam.ac.uk

Sigfried Yngvesson
University of Massachusetts
Dept. of Electrical and Computer
Engineering
Amherst, MA 01003
yngvesson@ecs.umass.edu

Shun-Cheng Yang
The Institute of Astronomy and
Astrophysics
Academia Sinica, Nankang
Taipei, Taiwan

*****Z*****

Jonas Zmuidzinas
California Institute of Technology
Downs Lab of Physics
MC 320-47
Pasadena, CA 91125
jonas@submm.caltech.edu

Yan Zhuang
University of Massachusetts
Dept. of Physics and Astronomy
Amherst, MA 01003
uzhuang@acad.umass.edu