
Agenda / Logistics



John J. Barnard

**Twelfth US - Japan Workshop on Heavy Ion
Fusion and High Energy Density Physics**

**September 7-8, 2009
Intercontinental Hotel,
San Francisco, CA USA**

Welcome to the twelfth US/Japan workshop on HIF/HEDP

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|-------------------------|---------------------|
| 1. March 13-15, 1997 | Osaka |
| 2. November 12-14, 1997 | Berkeley |
| 3. December 7-9, 1998 | Tokyo |
| 4. March 11, 2000 | San Diego |
| 5. December 7-8, 2000 | Tokyo |
| 6. March 4-5, 2002 | Berkeley, Livermore |
| 7. June 10-12, 2004 | Princeton |

<http://nonneutral.pppl.gov/HIF04/usjapan.php>

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|--------------------------|-----------------------|
| 8. September 28-30, 2005 | Utsunomiya University |
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<http://www.ee.utsunomiyau.ac.jp/~kawatalab/workshop/USJapanWorkshop.html>

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| 9. December 18-20, 2006 | Berkeley, Livermore |
| 10. September 17-19, 2007 | Tokyo |
| 11. December 18-19, 2008 | Berkeley, Livermore |

<http://hifweb.lbl.gov/public/USJapanWorkshop2006/>

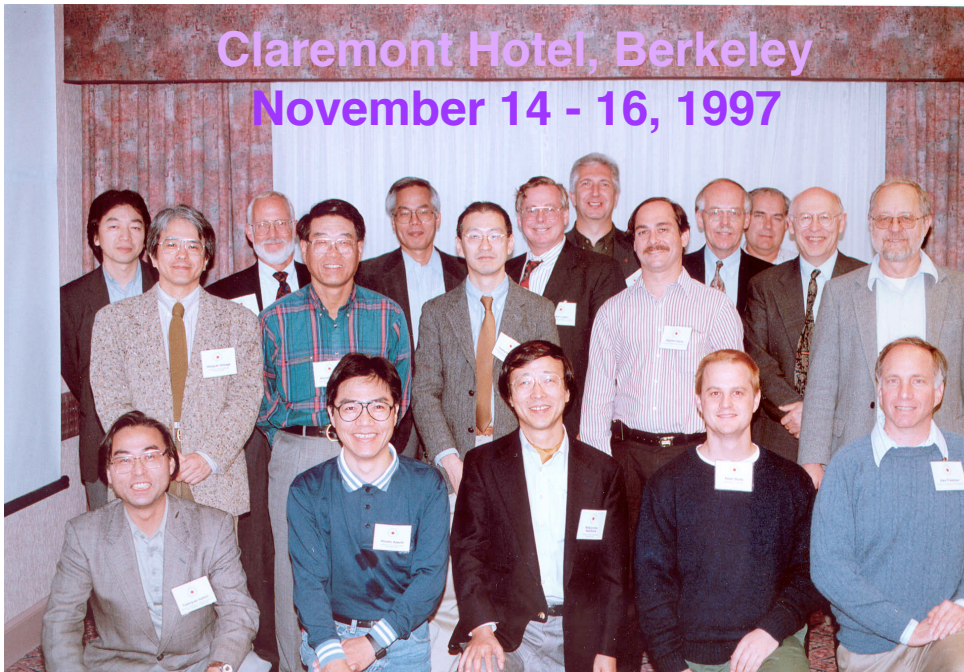
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| 12. September 7-8, 2009 | San Francisco |
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<http://hifweb.lbl.gov/public/USJapanWorkshop2008>

<http://hifweb.lbl.gov/public/USJapanWorkshop2009>



Pictures from earlier workshops ...



Pictures from earlier workshops ...

Utsunomiya University, September 28 - 30, 2005



The Heavy Ion Fusion Virtual National Laboratory



Pictures from earlier workshops...



Agenda: Monday, September 7, 2009

Session 1: Overviews and Programs Summaries -- John Barnard, Chair

7:00 pm - 7:05 pm Don Correll, IFSA Local Organizing Committee Member and Acting Fusion Energy Program Leader (LLNL) – Opening Remarks

7:05 pm - 7:30 pm Grant Logan (LBNL) – The US Program in Heavy Ion Fusion Science and Warm Dense Matter

7:30 pm – 7:55 pm Kazuhiko Horioka (Department of Energy Sciences, Tokyo Institute of Technology) -- Recent Research Activities on Beam Dynamics and Warm Dense Matter Science at TIT-DES

7:55 pm - 8:20 pm Ronald Davidson (PPPL) – Ion-Beam-Driven HEDLP Research Opportunities and Connections to the 2009 Fusion Energy Sciences Advisory Committee Report on High Energy Density Laboratory Plasmas

8:20 pm - 8:35 pm Coffee Break

Session 2: Warm Dense Matter I – Kazuhiko Horioka, Chair

8:35 pm - 9:00 pm Jun Hasegawa (RLNR, Tokyo Tech) -- A Plan for Warm-Dense-Matter Experiments Using Pre-Compressed Hydrogen Targets

9:00 pm - 9:25 pm John Barnard (LLNL) -- Simulations of Targets for NDCX –II

9:25 pm - 9:50 pm Yoshiyuki Oguri (RLNR, Tokyo Institute of Technology) -- Effects of Initial Target Inhomogeneity and Projectile Energy Ramping in Ion-Driven Warm Dense Matter Experiments



Agenda, Tuesday, September 8, 2009

Session 3: Acceleration and Beam Transport– Alex Friedman, Chair

7:00 pm - 7:25 pm Shigeo Kawata (Utsunomiya University) -- Efficient Laser Ion Acceleration

7:25 pm - 7:50 pm Joe Kwan (LBNL) -- The NDCX-II Project

7:50 pm - 8:15 pm Igor Kaganovich (PPPL) – Intense Ion Beam Neutralization Physics

8:15 pm - 8:30 pm Coffee Break

Session 4: High Energy Density Physics and Heavy Ion Fusion, Yoshiyuki Oguri, Chair

8:30 pm - 8:55 pm Toru Sasaki (Nagaoka University of Technology) -- High Energy Density Experiments Based on Extreme Power Devices at Nagaoka University of Technology

8:55 pm - 9:20 pm John Perkins (LLNL) -- Ion Direct Drive

9:20 pm - 9:50 pm Closing Discussions

