

Joint Meeting

June 14-18, 2010

Friend Center, Princeton University
Princeton, New Jersey USA

ASTM - Monday & Tuesday

ISCC Symposium on Color Standards - Wednesday

CIE Division 1 - Thursday & Friday

Registration:

www.ISCC.ORG

ISCC

11491 Sunset Hills Road

Reston, VA 20901 USA

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INVITATION TO PRINCETON

Come join us in Princeton, in the bright days of June after the students have gone. On June 14-18, 2010, the ISCC will have a joint meeting with ASTM and CIE in Princeton, NJ that will focus on color-related standards.

Monday and Tuesday (June 14-15) will feature subcommittee meetings of ASTM Committee E12 on Color and Appearance. E12 meets each year in January and June, with about 35 members attending two days of technical meetings. Technical workshops are typically also conducted during the two-day session. The Committee, with a membership of over 150, currently has jurisdiction of 73 standards. E12 has 13 subcommittees that maintain jurisdiction over these standards. Industries concerned with color and appearance develop the standards and then it becomes an emblem of quality for an industry to claim compliance with the standards.

Thursday and Friday (June 17-18) will feature committee meetings of Division 1 of the Commission Internationale de l'Eclairage (CIE). Division 1, Vision and Color, is chartered to study visual responses to light and to establish standards of response functions, models and procedures of specification relevant to photometry, colorimetry, colour rendering, visual performance and visual assessment of light and lighting. In past years, CIE Division 1 has met in Tokyo, Leon, Ottawa, Beijing, and Stockholm. Now it comes to Princeton.

Between these meetings, on Wednesday June 16, the Inter-Society Color Council (ISCC) will conduct a special symposium: **“Standards: What they are---What will they be? ---What *should* they be?”** Featured at the Symposium will be twelve papers about standards, but in a non-standard context. Each speaker will address all three aspects in the meeting title: focus on the present, on the future, and on what that speaker believes ought to happen in the future. We are sure to have discussions that range from “change is bad” to “change is overdue” to “change, but please not *that* change!” Although the ISCC Symposium is a proper bridge session between the ASTM (a predominantly North-American body) and CIE (a worldwide organization), its speakers are involved with other standards as well---e.g., for textiles, printing, archiving, and color management.

Who should attend this conference?

Newcomers to the standards arena will benefit from the information presented that illustrate the value of participating in the standards and conformity assessment process.

Seasoned members of the standards community will learn what's new and where are we going.

Everyone who attends this topical conference will walk away with a greater understanding of the role that standards play in the global economy and the relationship between standards and the private and public sectors.

The following is a list of positions and responsibilities answering the question, who should attend.

- **Accredited Standards Developers**
- **Corporate, Manufacturing and Engineering Managers**
- **Engineering, Technical and Design Personnel**
- **ISO or IEC Committee Participants**
- **Project Leaders**

- **Quality Engineers**
- **Technical Experts**
- **U.S. Technical Advisory Groups**
- **University Faculty and Students**

To complement the meeting, we have coordinated several other activities: We begin with a reception at the Triumph Brewery immediately following the ISCC Symposium. Next will be a historical tour of Princeton, including the Revolutionary-War battlefield, the Institute of Advanced Study, and other notable attractions.

We will all learn from the experience. Be a part of it! We look forward to seeing you in Princeton.

Sincerely,

Michael H. Brill, Jack A. Ladson, and Hugh S. Fairman

ISCC Symposium Chairs

Meeting Facilities: Friend Center at Princeton, NJ



See Page 24 for Map of Friends Center, Princeton University

Meetings Schedule Overview

All meetings will be held in the Friend Center at Princeton University

Monday, June 14

ASTM E12 Color and Appearance Meetings – 0800 to 1600 hours

Tuesday, June 15

ASTM E12 Color and Appearance Meetings – 0800 to 1600 hours

Wednesday, June 16

ISCC Topical Meeting Standards – 0800 to 1700 hours

Reception Triumph Brewery – 1730 to? Hours

Thursday, June 17

CIE Division 1, Vision and Color Meetings – 0800 to 1600 hours

Friday, June 18

CIE Division 1, Vision and Color Meetings – 0800 to 1600 hours

Tour Princeton, NJ- 1600 to 1800 hours



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Committee E12 on Color and Appearance

On behalf of ASTM International Committee E12 on Color and Appearance I am pleased to invite you to Friend Center, Princeton University to participate in this joint session of ASTM, CIE Division I and ISCC the week of June 14, 2010. Committee E12 will meet on June 14th and 15th.

The committee was formed in 1948 and since then, has grown to 160 members. The committee has 13 technical subcommittees that maintain jurisdiction over their 72 standards. Most of these subcommittees will be meeting during this joint session.

Our Committee E12 is part of the “family” of ASTM committees, which is currently composed of 141 technical committees. Together these ASTM committees have developed over 12,600 standards. The total membership of ASTM is 34,000. One of the goals of ASTM is to provide the best environment for the development of standards with the ever-increasing use of technology such as webinars and our collaborative work areas. In addition to the development of standards ASTM also runs a number of proficiency test programs as well as administers technical professional training courses for 13 different industries.

Committee E12 meets twice a year, in January and June. The January sessions are held in conjunction with ASTM Committee D01 on Paint and Related Coatings, Materials, and Applications.

I encourage you to attend any of the sessions during our two day meeting and welcome you to join the committee.

I look forward seeing in you at Princeton.

Tom O’Toole
Manager,
ASTM International Committee E12 on Color and Appearance

ASTM Committee E12, Color and Appearance

Subcommittee Meeting Schedule of June 2010 Meeting in Princeton, NJ:

Monday, 14 June

8:00 am ---E12.90 Executive and Administrative Subcommittees

10:00 am---E12.93 Precision and Bias and Task Groups

11:00 am---E12.01 Terminology

11:45 am-1 pm Lunch

1:00 pm E12.05 Task Group on WK 25939 – New Test Method for Eye Protection when Inspecting Fluorescent Coatings with High Power 405 nm LED Inspection Lights

2:00 pm--- E 12.05 Fluorescence

3:00 pm— E12.08 High Visibility Materials for Individual Safety

4:00 pm--- E12.02 Spectrophotometry and Colorimetry

5:00 pm---End of first day

Tuesday, 15 June

8:00 am---E12.12 Gonioapparent Color

9:15 am ---E12.04 Task Group on Tristimulus Integration

9:45 am --- E12.04 Color and Appearance Analysis

10:45 am---E12.06 Image Based Color Measurement

11:15 am---E12.07 Color Order Systems

11:45 am-1 pm Lunch

1:00 pm--- E12.11 Visual

2:00 pm--- Special Presentation on Quantifying Light-Source Performance

2:30 pm— E12 Main – Color and Appearance

4:00 pm---End of session



Inter-Society Color Council

On behalf of the Inter-Society Color Council (ISCC), it is my great pleasure to invite you to Friend Center, Princeton University for a full week of remarkable lectures. Three different organizations are meeting the week of June 14, 2010 to confer about the status of color and appearance standards, artifacts and methods. ASTM E12 Committee on Color and Appearance will meet on June 14th and 15th for their bi-annual standard committee meetings. The ISCC is holding a Special Topic meeting on June 16th. Finally, CIE Division 1 on Vision and Color is holding their technical sessions and committee meetings on June 17th and 18th.

The ISCC special topics meeting is on “Standards: What they are - What will they be? - What should they be?” As always, the focus of the ISCC and this meeting is color, in particular documentary standards associated with color. If you are attending for the first time, you will notice an open and stimulating environment where professionals of the color community from many different industries and backgrounds meet and discuss the most recent advancements and issues in the field.

The ISCC is the principal professional society in the field of color in the United States. It was founded in 1931 to bring together organizations and creative individuals – artists, designers, educators, industrialists, scientists – who are actively interested in the description and specification of color.

The Council exists to promote the practical application of color knowledge to problems in art, science, and industry; communication between technically-oriented specialists in color and creative workers in art, design, and education; and educational activities and the interchange of ideas on color and color appearance.

We look forward seeing in you at Princeton.

Maria Nadal

President ISCC

INTER-SOCIETY COLOR COUNCIL TOPICAL MEETING

Standards: What they are---What will they be?---What should they be?

Wednesday, 16 June Presentations:

AM Session 1: The Standards Process

--**Ronnier Luo**, Univ. Leeds, *Color and vision in the CIE---now and in the future*. Color and vision are the purview of CIE D1. Current efforts are going toward low-lighting (mesopic) environments, age-dependent vision, 3D goggles that don't make you sick, green lighting technologies, and a spatial-vision standard observer. Expanding technology calls for expanded attention to visual comfort, safety, and efficiency.

--**Philip Wychorski**, Orion Standards LLC, *Standards review process---United States National Committee of the CIE (CIE/USA)*. Participation in standards activities is no longer just an issue of solving technical problems. The CIE/USA like many other organizations is working hard to navigate a path forward to meet not only the technical issues but the challenging financial and organizational issues as well. Come see how the CIE/USA is addressing these important issues.

--**Danny Rich**, Sun Chemical, *Documentary standards in graphic reproduction: Pathway to quality or highway to mediocrity*" In the late 20th Century, SWOP, DDAP, and ICC evolved a coordinated program for color control using ink standards and digital color-management systems. But soon the successes induced a veritable feeding frenzy as organizations competed with each other over the "glory" of publishing the next standard. Where will it end?

AM Session 2: Fundamental Colorimetry

--**Jan Henrik Wold**, Univ. Oslo and Buskerud Univ. College, *XYZ colorimetry --- still a relevant concept for a colorimetric standard?* CIE TC1-36 defined color-matching functions that depend on field size and observer age. When these functions are used to define XYZ coordinates, a possible multiplicity of standard observers arises---so how can we still use XYZ in color technology?

--**Rolf Kuehni**, Color Consultant, *Mensurating a perceptual object color solid*. Color-difference models are thwarted by differences in observer and in viewing conditions. Do the same color difference formulas work for different media, or for different ways of visually presenting samples?

--**Wendy Davis**, NIST, *Color quality: Where we are; what's next?* Motivated by the vexing problem of quantifying LED color-rendering, CIE TC1-69 is expanding the notion of color-rendering index, trying such concepts as illuminant rank-ordering, memory color, and perceptual models. The field is moving fast.

LUNCH

PM Session 1: Tristimulus Integration

--**Hugh Fairman**, Resource III, *Some Recent Improvements in ASTM Standards on Colorimetry*. The ASTM is leading the way in standards for colorimetry. Precision of description is being enhanced (e.g., for the elusive hue angle), and numerical methods are becoming more accurate (e.g., for bandpass-corrected reflectance and tristimulus integration).

--**Changjun Li**, Univ. Leeds, *Tristimulus integration*. Many ways now exist to derive weight sets for computing discretely sampled tristimulus integrals. CIE TC1-71 is resolving which way is most accurate, and then seeks to promote uniformity of practice.

PM Session 2: Multi-Angle Spectrophotometry

--**Dave Wyble**, et al., RIT and Tech. Univ. Darmstadt, *Repeatability analysis of multiangle spectrophotometers*. Multiangle spectrophotometers produce lots of spectral data---a huge task for statistical analysis. What standardized methods are there for analyzing repeatability and inter-instrument-agreement?

--**Maria E. Nadal**, NIST, *NIST Appearance Metrology Program*. Appearance is a main driver of commerce, and control of appearance across national borders depends on standardizing laboratories such as NIST. The NIST allows control of appearance by a multitude of goniometric measurements, all compliant with ISO and ASTM standards. A new five-axis goniometer, operating in-plane and out-of-plane, goes beyond ISO and ASTM, anticipating future requirements.

PM Session 3: Printing

--**Klaus Richter**, Berlin Univ. Technol., *ISO-CIE trend for color output of equally spaced color series and elementary hues IRJGB on displays for eight ambient reflections of ISO 9241-306:2008*. Color-management standards have several cross-cutting goals: Equally spaced color scales, elementary colors that are aligned with device-independent scales, coding efficiency and insensitivity to such factors as quantization error and veiling reflection. The ISO, CIE, DIN and ICC are developing a common RGB profile-connection space to meet these requirements.

--**Ann L. McCarthy**, Lexmark International Inc, *Balancing 'automatic color' and artistic intent: The role of color standards*. In the early years of photography the promise to users was "you push the button we do the rest." Today, automation in digital color management takes a similar approach---as a result falling short with users who want control over their color results. Can new color interoperability standards enable support for these users?

Wednesday Evening Networking Reception



Join us Wednesday Evening at the Triumph Brewery for a special time of networking and meeting new friends.

As fellow participants in the Joint meetings, we cordially invite you and your significant other to join us at the Triumph Brewery for an evening of specialty beers and Hors-D'Oeuvres. The Triumph Brewery brews over 12 different types of beer, one for every taste. There are of course other drinks available as well. This will be an opportunity to meet the conference speakers and industry leaders. By participating in this event you will have the opportunity to focus on your issues with

industry experts. Please join us to learn how to build and maintain a powerful network, share your insights and have fun in the process.

We are looking forward to seeing you at the brewery – don't miss it.

Triumph Brewery

138 Nassau Street
Princeton, NJ 08542
609-924-7855

A Letter of Invitation from CIE Division 1 Director, Ronnier Luo.

Dear Colleagues,

As Director of CIE Division 1 *Vision & Colour* I would like to invite you to attend our next Division meeting which is to be held on 17-18 June in Princeton, New Jersey, in conjunction with meetings of ASTM and ISCC.

The Terms of Reference of CIE Division 1 are very broad:

To study visual responses to light and to establish standards of response functions, models and procedures of specification relevant to photometry, colorimetry, colour rendering, visual performance and visual assessment of light and lighting.

We currently have 28 Technical Committees divided into two groups, Vision and Colour and subjects covered include:

Colour difference evaluation	Application of CIEDE2000
Colour rendering	Tristimulus integration
Colour appearance models	Visual performance in the lit environment
Unique hue data	Limits of normal colour vision

In addition we have Reporters investigating several subjects including:

Scene dynamic range	Colour emotion and harmony
Above threshold flashing lights	Action spectra for glare

Some of these Technical Committees will meet on 17 June. On 18 June, a full overview will be given of the work of each the Committee, either by the Chairman of that Committee or by the appropriate Associate Director: Miyoshi Ayama (Vision) or Ellen Carter (Colour).

You are invited to attend both the Technical Committee meetings and the Division meeting and I look forward to welcoming you in Princeton.

M Ronnier Luo
Director
CIE Division 1

CIE Division 1: Vision and Colour



CIE DIVISION 1

VISION AND COLOUR

17-18 June 2010

Day 1

9:00 – 10:30	TC1-69 Colour rendition by white light sources
10:30 – 12:00	TC1-63 Validity of the range of CIEDE2000
12:00 – 13:30	Lunch break
13:30 – 14:00	TC1-71 Tristimulus integration
14:00 – 14:30	TC1-71 Tristimulus integration (if required)
14:30 – 15:00	Division Business
15:00 – 16:30	Vision Section: Report – Miyoshi Ayama
16:30 – 17:30	Vision Section: New work items
17:30 – 18:30	TC1-56 Improved colour matching functions

Day 2

9:00 – 11:00	Colour Section: Report – Ellen Carter
11:00 – 11:30	Colour Section: New work items
11:30 – 12:00	Liaison reports
12:00 – 12:30	Any other business
12:30	Close of meeting

Mike Pointer

Division Secretary

Accommodations

The organizers recommend that everyone stay at the sleeping rooms in Princeton University. The rooms are more than adequate and the most convenient to the conference. You will enjoy strolling through the Princeton University campus. This also provides opportunities to network. Avail yourself of this opportunity!

Princeton University Sleeping Rooms (on Princeton campus in Dormitory)

The rooms are air-conditioned singles with semi-private baths. Each room is equipped with a twin bed, bureau, desk and chair.

Rate is \$60.00 per single room night. There are no other fees or taxes. Breakfast is not included but there are numerous restaurants within walking distance.

Complete the Registration Form included in this brochure or refer to the ISCC website WWW.ISCC.ORG and reserve your room, today.

Hotel Rooms

We list here the closest hotels to Friend Center, Princeton University. The letter designation of the hotel follows the Google map, above. With each hotel we provide the address and phone number. We do not recommend one hotel over the other. Attendees should select a hotel based on considerations that are important to them.

Hotel	Address	~ Distance to PU	Phone No.
Nassau Inn	10 Palmer Square Princeton, NJ	0.5 miles	(609)-924-7500
Hyatt Regency Princeton	302 Carnegie Center Princeton, NJ	3.5 miles	(609) 987-1234
Courtyard by Marriott Princeton Hotel	3815 US Highway 1 @ Mapleton Rd Princeton, NJ	3.5 miles	(609) 716-9100
Holiday Inn Princeton	100 Independence Way, Princeton, NJ	5.0 miles	(609) 520-1200
Princeton Forrestal Village	201 Princeton Road, Princeton, NJ -	4.8 miles	(609) 452-0383
Princeton Marriott Hotel & Conference Center at Forrestal	100 College Road East, Princeton, NJ	4.4 miles	(609) 452-7800
Hampton Inn Princeton	4385 US 1 South, Princeton, NJ	4.6 miles	(609) 951-0066
Doubletree Hotel Princeton	4355 Route 1 @ Ridge Road, Princeton, NJ	4.9 miles	(609) 452-2494
Wyndham Hotel & Conference Center	900 Scudders Mill Rd, Plainsboro, NJ	4.2 miles	(609) 936-4200
Chauncey Conference Center	660 Rosedale Rd, Princeton, NJ	3.6 miles	(609) 921-3600

You are encouraged to make reservations as soon as possible. This area is a popular tourist destination and rooms are expected to be scarce. Major motels and hotels in the Princeton area are also equipped with a number of rooms that have disabled-accommodating bathrooms and bedrooms. Inquire when making reservations at these facilities, if you require such accommodations.

Princeton Area Restaurants

1. **Ajihei (Japanese)**, 11 Chambers Street, 609-252-1158
2. **Alchemist & Barrister (American)**, 28 Witherspoon Street, 609-924-555
3. **Big Fish Seafood Bistro**, Market Fair Mall, 3535 U.S. Route 1 South, 609-919-1179
4. **Blue Point Grill (Seafood)**, 258 Nassau Street, 609-921-1211
5. **Camillo's Café (Italian)**, Princeton Shopping Center, 301 N. Harrison Street, 609-252-0608
6. **Chez Alice Gourmet Café & Bakery**, 5 Palmer Square West, 609-921-6760
7. **Chuck's Spring Street Café (Buffalo wings)**, 16 Spring Street, 609-921-0027
8. **Conte's Bar & Pizzeria**, 339 Witherspoon Street, 609-921-8041
9. **The Ferry House (French-American cuisine)**, 32 Witherspoon Street, 609-924-2488
10. **Frist Campus Center**, Princeton University
11. **Hoagie Haven**, 242 Nassau Street, 609-921-7723
12. **Iano's Rosticceria**, 86 Nassau Street, 609-924-5515
13. **Ichiban (Japanese)**, 66 Witherspoon Street, 609-683-8323
14. **Ivy Garden (Chinese)**, 238 Nassau Street, 609-921-2388
15. **Kalluri Comer (Indian)**, 235 Nassau Street, 609-688-8923
16. **Karen's Chinese Restaurant**, 36 Witherspoon Street, 609-683-1968
17. **La Mezzaluna (Italian)**, 25 Witherspoon Street, 609-688-8515
18. **Lahiere's (French)**, 5 Witherspoon Street, 609-921-2798
19. **Le Plumet Royal at the Peacock Inn (French)**, 20 Bayard Lane, 609-924-5056
20. **Main Street Bistro & Bar (American)**, Princeton Shopping Center, 301 N. Harrison Street, 609-921-2779
21. **Masala Grill (Indian)**, 15 Chambers Street, 609-921-0500
22. **Massimo's Pizza**, 124 Nassau Street, 609-924-0777
23. **Mediterra (Mediterranean cuisine)**, 29 Hulfish Street, 609-252-9680
24. **Moondoggie Café (California salad, juice bar café)**, 33 Witherspoon Street, 609-252-0300
25. **Old World Pizza**, 242-1/2 Nassau Street, 609-924-9321
26. **Olives**, 22 Witherspoon Street, 609-921-1569
27. **On the Border Mexican Grill and Cantina**, 3567 U.S. Route 1 South, 609-987-9222
28. **The Original Soup Man**, 30 Palmer Square East, 609-497-0008
29. **Panera Bread**, 136 Nassau Street, 609-683-5222
30. **PF Chang's China Bistro**, 3435 U.S. Route 1 South, 609-799-5163
31. **P.J.'s Pancake House**, 154 Nassau Street, 609-924-1353
32. **Pizza Star**, Princeton Shopping Center, 301 N. Harrison Street, 609-921-7422
33. **Quizno's Subs**, Princeton Shopping Center, 301 N. Harrison Street, 609-279-9100
34. **Red Onion (sandwiches)**, 20 Nassau Street, 609-924-6667
35. **Romano's Macaroni Grill**, 3569 U.S. Route 1 South, 609-520-9700
36. **Sakura Express (Japanese)**, 43 Witherspoon Street, 609-430-1180
37. **Small World Coffee**, 14 Witherspoon Street, 609-924-4377
38. **Soonja's Café with Sushi (Thai, Japanese, Korean)**, 242 Alexander Street, 609-924-9260
39. **Sotto (Italian)**, 128 Nassau Street, 609-921-7555
40. **Starbucks**, 100 Nassau Street, 609-279-9204
41. **Subway**, 18 Witherspoon Street, 609-924-5063
42. **Sultan Wok (Chinese/Japanese)**, 354 Nassau Street, 609-683-9666
43. **Taste of Mexico**, Princeton Shopping Center, 301 N. Harrison Street, 609-252-1575
44. **Teresa Caffè (Italian)**, 23 Palmer Square East, 609-921-1974
45. **TGI Friday's**, Market Fair Mall, 3535 U.S. Route 1 South, 609-520-0378
46. **Thai Village**, 235 Nassau Street, 609-683-3896
47. **Tiger Noodles (Chinese)**, 260 Nassau Street, 609-252-0663
48. **Tomo Sushi**, 236 Nassau Street, 609-924-8478
49. **Triumph Brewing Company**, 138 Nassau Street, 609-924-7855
50. **The Underground Café**, 4 Hulfish Street, 609-924-0666
51. **J. B. Winberie's**, 1 Palmer Square East, 609-921-0700
52. **Witherspoon Bread Company**, 74 Witherspoon Street, 609-688-0188
53. **Yankee Doodle Tap Room**, Nassau Inn, 10 Palmer Square East, 609-921-2600
54. **Zorba's Brother (Greek)**, 80 Nassau Street, 609-279-0999

Conference & Event Services · 71 University Place · Princeton, New Jersey 08544 · Phone: 609-258-6115 · Fax: 609-258-4656

Transportation

Arriving by Plane

From Newark Liberty Airport to Princeton

Newark Liberty Airport is the best (nearest and most convenient) arrival point if it works from your departure point. It is probably one and a half hours travel time closer to Princeton than is Kennedy Airport. Thus, it might be worth a plane change somewhere along the line to access it on the arrival end.

Every terminal at Newark is served by the *AirTrain* light rail service. The baggage level upon arrival is at street level. One floor above that in each terminal, moving stairs go up another floor to the *AirTrain* level. Follow signs to this train. Not every train goes all the way to the train station, but during the day (6AM to 9 PM) a train goes to the station every 20 minutes. Take the light rail *AirTrain* to the train station at the end of the line beyond the parking lot.

Two train services run to Princeton from there. The services are *Amtrak* and *NJTransit*. *Amtrak* is the more expensive express service (make sure the train you take stops at Princeton Junction), and *NJTransit* is a local service. All things considered, *NJTransit* is to be preferred if available. These trains are well marked and you ought to buy a ticket (from one service or the other) in the station. Each will be operating separate ticket windows. You can pay the conductor on the train, but there is about a \$5.00US penalty for doing so. Buy a ticket to Princeton, if you are staying in town. If you are staying in a Route 1 hotel, buy a ticket to Princeton Junction and take a cab from the Princeton Junction station to the hotel.

If you are holding a ticket to Princeton, get off at Princeton Junction and you will be met by the shuttle train (also known as “the Dinky”) to take you to the Princeton station, five kilometers away but not on the main line of the railroad. The shuttle doesn’t meet all trains on weekends, but otherwise you can rely on being met. On weekends ask about whether the shuttle meets your train when you buy your ticket.

NJTransit operates a web site at www.njtransit.com that has the schedules published. Schedules are revised, usually only slightly, on a monthly basis. So once the month of June begins, the schedule published there should be cast in stone. Remember when looking up schedules, you are interested only in ‘Northeast Corridor’.

From Philadelphia International Airport

Philadelphia is the second choice international arrival airport for travel to Princeton. It is only 5 or 10 minutes longer travel time (and about the same expense) as travel from Newark, so it is not to be disregarded as an option.

There is a shuttle train run by *SEPTA* (Southeast Philadelphia Transit Authority) that stops at every terminal at the Philadelphia Airport and which goes to 30th Street Station in downtown Philadelphia for about a \$5.00US fare.

From that point, there are two routes that may be taken. *Amtrak* runs from 30th Street to Princeton Junction (again check to see that your train actually stops at Princeton Junction, not all *Amtrak* trains do).

The second, and preferable route for the same reasons as above, is to take *SEPTA* to Trenton; change in Trenton to *NJTransit* to Princeton Junction. *SEPTA* is a Pennsylvania state run railroad. *NJTransit* is a New Jersey state run railroad. Trenton is a border city between Philadelphia and Princeton. Since both railroads are anticipating a lot of people changing trains at the border, they schedule so that usually the outbound train to which you are transferring is across the platform from your arriving train. You will be met at Princeton Junction by the shuttle under the conditions stated above.

From Kennedy International Airport

Train service from Kennedy to Princeton is not the preferred method of travel. It can be done, but one will have to start with “The Train to the Plane” to Manhattan (a section of New York City). From there, one will have to get oneself to Penn Station or the NYPA Bus Terminal and follow directions given elsewhere in this section from there to Princeton.

Arriving By Train

From New York City’s Penn Station

The station servicing Princeton from New York City is Pennsylvania Station, always called “Penn Station” in everyday language. It is located at 33rd Street between 7th and 8th Avenues. Several lines leave Penn Station to go different directions. The line you are interested in is called the “Northeast Corridor”. It is serviced by both *Amtrak* and *NJTransit*. All trains of *NJTransit* that run on the Northeast Corridor stop at Princeton Junction, but *NJTransit* runs on some other lines as well, so not all *NJTransit* trains stop at Princeton Junction.

Follow the directions under “By Plane- from Newark Liberty Airport”. The second station you will encounter is Newark Airport, and you will be joined there by other colorists who are just as lost as you are.

From Philadelphia 30th Street Station

There are two routes that may be taken. *Amtrak* runs from 30th Street to Princeton Junction (again check to see that your train actually stops at Princeton Junction, not all *Amtrak* trains do).

The second, and preferable route for the same reasons as above, is to take *SEPTA* to Trenton; change in Trenton to *NJTransit* to Princeton Junction. *SEPTA* is a Pennsylvania state run railroad. *NJTransit* is a New Jersey state run railroad. Trenton is a border city between Philadelphia and Princeton. Since both railroads are anticipating a lot of people changing trains at the border, they schedule so that it is usually the case that the outbound train to which you are transferring is across the platform from your arriving train. You will be met at Princeton Junction by the shuttle under the conditions stated above.

Arriving By Bus

From New York Port Authority Bus Terminal

The New York Port Authority Bus Terminal is located in Manhattan at West 41st Street and 8th Avenue. Buy a ticket to Princeton from *Suburban Transit*. You can’t get on the bus without a ticket. They will have a ticket window, as do all other bus companies, on the street level in the center of the building. The fare is presently \$14.65US. They will direct you to the departure gate. The departure gates are usually on an upper floor, sometimes way upper, with lots of moving staircases to get you up there.

Busses leave every half-hour during the day. It is a 90 minute ride to downtown Princeton. Get off at Palmer Square. This is one block from the Nassau Inn, if you are staying there. It is about four blocks from the meeting rooms, if you are going there. If you have to go to another hotel, Princeton’s only taxi line is located across the street and about a half-block to the north – the direction from which you have come.

Arriving By Airport Shuttle Bus

From Airports to Princeton or Route #1 Hotels near Princeton

The airport shuttle bus service serving Princeton is called *Princeton Airporter*. The web site at www.GoAirporter.com will tell you their schedule from various points (including 11 nearby hotels) to Newark and Kennedy airports. The fare is about \$35.00US to Newark and about \$55.00US to Kennedy.

The *Princeton Airporter* also operates an information counter in each terminal at Newark in the baggage arrival hall. No reservation is required. They will schedule you out on the next trip upon your arrival. At reasonable hours of the day, this will cause you no delay at all.

Failing to find *Princeton Airporter* in the baggage area, look for *Olympic Airporter*. They have recently purchased *Princeton Airporter*, and it is unclear at this writing how they may label their information booths in the future.

Arriving By Car Service

From Airports (or anywhere else) to Princeton

If you wish to order a car service where you are met by a driver and taken to your destination in Princeton by car, call *A1 Limousine*. They operate a web site at www.A1Limo.com. You will need to make advance reservations for being met at the airport upon arrival, and should make return plans with them at least a day before the return trip. This can best be done by phone at 609-951-0070.

Driving Directions to Princeton

From the NORTH/NEW YORK CITY

Take the New Jersey Turnpike south to Exit 9 (New Brunswick). After the toll booths, take the first right turn onto the ramp for Route 18 north. Soon after you enter Route 18, take the left fork in the road, staying in the right lane. Immediately bear right for an exit to U.S. Route 1 south/Trenton.

Drive south on Route 1 for about 18 miles to the Washington Road exit, which is a traffic circle. Take the first right off the circle (between the gas stations) toward Princeton. The campus is located approximately a mile straight ahead.

From the WEST

Drive east on Interstate 78 into New Jersey. Exit onto southbound Interstate 287 (toward Somerville). Follow signs for Routes 202/206 south. Go south on 202 for a short distance and then follow signs to 206 south, which will take you around a traffic circle. Go south on 206 for about 18 miles to Nassau Street (Route 27) in the center of Princeton. Turn left onto Nassau Street, and follow it to the third traffic light. Turn right onto Washington Road.

From the SOUTH

if you are coming from southern New Jersey, we recommend that you take Interstate 295 north (instead of the New Jersey Turnpike). Take Exit 67 to Route 1 north. Travel about three miles north on Route 1 to the Washington Road exit, which is a traffic circle. Go three quarters of the way around the

circle and turn right (between the gas stations) toward Princeton. The campus is located approximately a mile straight ahead.

From the EAST

Take Interstate 195 west (toward Trenton) to the exit for Interstate 295 north. Drive seven miles to the exit for Route 1 north (exit 67). Travel about three miles north on Route 1 to the Washington Road exit, which is a traffic circle. Go three quarters of the way around the circle and turn right (between the gas stations) toward Princeton. The campus is located approximately a mile straight ahead.

From the PHILADELPHIA AREA

Take Interstate 95 north into New Jersey and exit at Route 1 north (exit 67). Travel about three miles north on Route 1 to the Washington Road exit, which is a traffic circle. Go three quarters of the way around the circle and turn right (between the gas stations) toward Princeton. The campus is located approximately a mile straight ahead.

Parking for Friend Center, Princeton University

Conference attendees can park free of charge in Lot 21 (H6 on the campus map) and use the free campus shuttle to get to the Friend Center. The campus shuttle operates all day, Monday through Friday. You can also park free of charge in Lot 23 and use the campus shuttle, but it is farther from the meeting rooms than is Lot 21. Pay-parking is available in the municipal parking building on Chambers Street off Nassau Street. Other pay-parking is available at the municipal garage on Spring Street. (Drive North on Witherspoon Street from Nassau Hall for two blocks and turn right on Spring Street.) Most metered parking on Princeton streets is limited to one hour, parking is forbidden unless explicitly posted, and parking regulations are strictly enforced. Please be warned.

See Page 24 for the Friend Center, Princeton University parking facilities.

All University buildings are in compliance with the *Americans with Disabilities Act* which means that there will be a wheel-chair ramp to access the building and elevators to port one to another floor, if necessary. The meeting rooms we have booked at the Friend Center are on the ground floor.

The Venue

The City - Princeton, NJ

Princeton has always played a significant role in the history of New Jersey and the United States. Settled in the late 17th century, it was named Prince-Town in honor of Prince William of Orange and Nassau. In 1756 it became the home of the College of New Jersey - now Princeton University - with the entire college housed in Nassau Hall, the largest academic building in the colonies.



The Battle of Princeton, fought in a nearby field in January of 1777, proved to be a decisive victory for General George Washington and his troops. Two of Princeton's leading citizens signed the Declaration of Independence, and during the summer of 1783, the Continental Congress met in Nassau Hall making Princeton the country's capital for four months.

Located midway between New York and Philadelphia, the town was the overnight stagecoach stop on the Trenton-New Brunswick line until the mid-19th century. In the 1830s the building of a nearby canal and railroad encouraged further commerce, real estate development, and general prosperity.

A center for learning and culture throughout its history, Princeton has been home to world-renowned scholars, scientists, writers, and statesman, including two United States presidents, Woodrow Wilson and Grover Cleveland.

In 1930, the Institute for Advanced Study was founded in Princeton and became the first residential institute for scholars in the country, with Albert Einstein appointed as one of its first professors. The 20th century has seen an influx of scholars, research personnel, and corporations from all parts of the world.

Shaped by residents of all backgrounds, Princeton has been a dynamic community, growing and changing with the times yet retaining an essential small-town quality. Paul Robeson grew up in Princeton and artisans from Italy, Scotland, and Ireland have contributed to the town's rich architectural history. This architectural legacy, spanning the entire history of American architecture, is well-preserved through buildings by nationally renowned architects such as Benjamin Latrobe, Ralph Adams Cram, McKim, Mead & White, Robert Venturi, and Michael Graves. This information was taken from <http://www.princetonol.com/history/>

About Princeton University an Overview

Princeton University is a vibrant community of scholarship and learning that stands in the nation's service and in the service of all nations. Chartered in 1746, Princeton is the fourth-oldest college in the United States. Princeton is an independent, coeducational, nondenominational institution that provides undergraduate and graduate instruction in the humanities, social sciences, natural sciences and engineering.

As a world-renowned research university, Princeton seeks to achieve the highest levels of distinction in the discovery and transmission of knowledge and understanding. At the same time, Princeton is distinctive among research universities in its commitment to undergraduate teaching.

Today, more than 1,100 faculty members instruct approximately 5,000 undergraduate students and 2,500 graduate students. The University's generous financial aid program ensures that talented students from all economic backgrounds can afford a Princeton education.

[History of Princeton University](#)



Sculpture by [J. Massey Rhind](#) (1892), Alexander Hall, Princeton University

New Light Presbyterians founded the College of New Jersey, later Princeton University, in 1746 in order to train ministers dedicated to their views. The college was the educational and religious capital of Scotch-Irish America. In 1756, the college moved to Princeton, New Jersey.

Following the untimely deaths of its first five presidents, the college enjoyed a long period of stability during 1768-94 under Reverend [John Witherspoon](#). Military occupation and the [Battle of Princeton](#) severely damaged the college during the war. In another disaster, fire destroyed Nassau Hall in March 1802. Student unrest led to an explosion at the Nassau Hall front door and several other incidents in 1814.

[Witherspoon](#) was a prominent religious and political leader; and an original signer of the [Declaration of independence](#) and the [Articles of Confederation](#).

Before the construction of Stanhope Hall in 1803, the college's sole building was [Nassau Hall](#). The college also adopted orange as its school color from William III. During the summer of 1783, the [Continental Congress](#) met in Nassau Hall, making Princeton the country's capital for four months. The much-abused landmark survived bombardment with [cannonballs](#) in the [Revolutionary War](#) when General Washington struggled to wrest the building from British control, as well as later fires in 1802 and 1855 that left only its walls standing. Rebuilt by [Joseph Henry Latrobe](#), [John Notman](#) and [John Witherspoon](#), the modern Nassau Hall has been much revised and expanded from the original one that was designed by [Robert Smith](#). Over

the centuries, its role shifted from an all-purpose building, comprising office, dormitory, library, and classroom space, to classroom space exclusively, to its present role as the administrative center of the university. Originally, the sculptures in front of the building were lions, as a gift in 1879. These were later replaced with tigers in 1911.

[James McCosh](#) took office as the college's president in 1868 and lifted the institution out of a low period that had been brought about by the Civil War. During his two decades of service, he overhauled the curriculum, oversaw an expansion of inquiry into the sciences, and supervised the addition of a number of buildings in the [High Victorian Gothic](#) style to the campus. McCosh Hall is named in his honor.

In 1896, the college officially changed its name from the College of New Jersey to Princeton University to honor the town in which it resides. During this year, the college also underwent large expansion and officially became a university. Under [Woodrow Wilson](#), Princeton introduced the preceptorial system in 1905, a then-unique concept that augmented the standard lecture method of teaching with a more personal form in which small groups of students, or precepts, could interact with a single instructor, or preceptor, in their field of interest.

In 1969, Princeton University first admitted women as undergraduates. In 1887, the university had actually maintained and staffed a [sister college](#), [Evelyn College for Women](#), in the town of Princeton on Evelyn and Nassau streets. It was closed after roughly a decade of operation. Instead, [Bryn Mawr College](#), a member of the [Seven Sisters](#), was traditionally recognized as Princeton's sister school. After abortive discussions with [Sarah Lawrence College](#) to relocate the women's college to Princeton and merge it with the University in 1967, the administration decided to admit women and turned to the issue of transforming the school's operations and facilities into a female-friendly campus. The administration had barely finished these plans in April 1969 when the admission's office began mailing out its acceptance letters. Its five-year coeducation plan provided \$7.8 million for the development of new facilities that would eventually house and educate 650 women students at Princeton by 1974. Ultimately, 148 women, consisting of 100 freshmen and transfer students of other years, entered Princeton on September 6, 1969 amidst much media attention. (Princeton enrolled its first female graduate student, Sabra Follett Meserve, as a Ph.D. candidate in Turkish history in 1961. A handful of undergraduate women had studied at Princeton from 1963 on; spending their junior year there to study "critical languages" in which Princeton's offerings surpassed those of their home institutions. They were considered regular students for their year on campus, but were not candidates for a Princeton degree.)

As a result of a 1979 lawsuit by [Sally Frank](#), [Princeton's eating clubs](#) were required to go coeducational in 1991, after [Tiger Inn](#)'s appeal to the U.S. Supreme Court was denied. This information may be found at http://en.wikipedia.org/wiki/Princeton_University

Local attractions

Princeton - The Performing Arts

Princeton offers the traveler top of the world theater in some of the best performing venues of the region.

Between June and August, Princeton Summer Theater brings high-quality drama and family entertainment to the beautiful [Princeton University](#) campus. Historic PST makes its home at the Hamilton-Murray Theater, continuing a more-than-forty year tradition of affordable theater made by young professionals and recent graduates. The 2009 summer season begins with the Tony award winning "Urinetown, the Musical", followed by Tennessee William's classic "The Glass Menagerie", the dizzy romp "No Time for Comedy", and Steve Martin's adaptation of "The Underpants." Children's shows and workshops include all ages. Individual and group tickets can be purchased through the Box Office at 609-258-7062. Further information is available at www.princetonsummertheater.com.

MacCarter Theatre Center hosts some of the best shows of the region. It features Theater, Classical Music, Jazz, Dance, and Cabaret series guaranteeing top notch performances throughout the year. This year's season include: The Birthday Party by Pinter, Translations by Brian Friel, and Mrs. Packard by Emily Mann. If you are music fan, enjoy the eclectic calendar that includes Little Feat, violinist Joshua Bell and Dizzy Gillespie All-Star Big Band. Tickets can be purchased online at <http://www.mccarter.org> where you can also check the calendar of events and complete description of the shows.

Other theaters featuring world-class events are [Kelsey Theatre](#), [New Jersey Performing Arts Center](#), and [State Theatre](#) among others. This information provided from <http://www.tripadvisor.com/Travel-g46756-s404/Princeton:New-Jersey:The.Performing.Arts.html>

Princeton Area Museums & Attractions

Princeton and its surrounding towns boasts some sites that will transport the traveler to the times of the American Civil War and of the Declaration of Independence. Three museums that will take you to this trip along American history are:

[Old Barracks Museum](#). Located on Barrack Street in Trenton, takes you to the times of the Declaration of Independence focusing on the decisive Battles of Trenton. It includes paintings featuring these battles and the Battle of Princeton. As well, it features firearms, Colonial and Federal furniture, china, silver and an extensive archive with historic documents and fictional first-person life stories.

[Morven Museum and Garden](#) site dates from 1750 when it was built by Richard Stockton who signed the Declaration of Independence. The house and the garden are national historic landmarks and part of New Jersey heritage. The Museum features different conferences, events and tours that include Wednesdays Tour and Tea, Friends of Morven Plant Sale Preview, Morven in May Garden Party and the Festival of Trees.

Dating from 1719, William Trent House Museum is Trenton oldest house. Explore the Colonial times and know about the role of the house in Independence Days. The Museum operates several programs to make

history accessible to kids and adults: Trent House school programs, Colonial Kids for Schools, Sandbox Archeology and tours for Adults. Check out the museum's website (a nice feature: it is in English and Spanish) at <http://www.williamtrenthouse.org>. This information courtesy of <http://www.tripadvisor.com/Travel-g46756-s410/Princeton:New-Jersey:Museums.And.Attractions.html>

Princeton Shopping

In Princeton, you can shop in malls or you can enjoy the beautiful urban landscape and do your shopping strolling along the streets of downtown or at one of Princeton traditional neighborhoods or nearby towns.

Malls - [Palmer Square Shops](#): High scale shopping; great calendar of events such as special sales, music concerts, dance performances, movie screenings, and drawings; all in the perfect setting for shopping and dining around "town green" and historical [Nassau Inn](#).

Princeton Shopping Center, popular shopping center, boasting a California design that contrasts with the urban landscape, it houses the big chains stores and a myriad of boutique stores. Sit at one of the cafes such as Main Street Euro-American Bistro & Bar or Camillos' Cafe and just enjoy life.

Shopping in neighborhoods? Try [Downtown Historic Cranbury](#), an 8 mile drive will take two centuries back. Other shopping areas each bearing a unique flavor includes Downtown Lawrenceville (the village is gorgeous, summer being a great season to enjoy concerts with the locals in the park), Hightstown, Pennington, and Rocky Hill. This information available at <http://www.tripadvisor.com/Travel-g46756-s405/Princeton:New-Jersey:Shopping.html>

Joint Meeting Registration Form



Joint Meeting of ISCC/ASTM E12/CIE Div. 1

Standards: What they are-- What will they be? What should they be?

June 14 – 18, 2010
Mon-Tues ASTM E12; Wed ISCC; Thurs-Fri CIE Div 1
Princeton University, Princeton, NJ

Last Name/First Name _____
Badge Name _____
Affiliation _____
Address _____
City _____ State/Prov _____ Country _____ ZIP/Postal Code _____
Tel. (Include Int'l Code) _____ Fax _____
E-Mail _____

Registration Fees: (USD)

Before May 1, 2010 After May 1

ALL Meetings

ASTM, ISCC & CIE Combined (ASTM, ISCC, or CIE members)	\$335	\$350
ASTM, ISCC & CIE Combined (Non-Members)	\$360	\$375

Register for Individual Meetings

ASTM Meeting Members and Non-Members	\$ 25	\$25
ISCC Symposium - Members of ISCC	\$ 175	\$190
ISCC Symposium - Non-Members of ISCC (Includes a 1 year membership in ISCC - a \$75 value)	\$ 200	\$215
CIE Division I Meeting	\$ 125	\$140

Students (Copy of valid student ID must be included)

ISCC Meeting	\$ 25	\$40
ISCC Plus ASTM and/or CIE Division I Meetings	\$ 50	\$65

Enter Sub-Total from Meeting Registration (Page 1) \$ _____

Wednesday Evening Triumph Brewery for accompanying persons at \$25.00 \$ _____
The Wednesday evening reception is included for registrants.

Friday Afternoon Historical Tour of Princeton at \$25.00 per person \$ _____

Princeton University Dormitory Rooms @ \$60.00 per single room night \$ _____

Indicate nights desired

Sunday June 13 _____ Monday June 14 _____ Tuesday June 15 _____

Wednesday, June 16 _____ Thursday, June 17 _____ Friday June 18 _____

Rooms are available on dates shown only. 2 persons per room maximum.

Sheets and pillow cases provided. Bring everything else that you need or require.

Total Amount Due (USD) \$ _____

Cut-off Date for registration: June 1, 2010. No refunds after this date.
Full, on-site registration will be available.

Payment Method (Please print clearly)

_____ Check or money order payable in U.S. Funds on a U.S. Bank to "Inter-Society Color Council"

_____ Charge to the following credit card: DISCOVER ___ MC ___ VISA ___ AMEX___

Credit Card No. _____ Expiration _____/_____

3 or 4 digit Verification Code _____ Signature _____

Return completed form by fax (703-318-0514), Email, or postal mail with payment to:

Inter-Society Color Council

Attn: Cynthia J. Sturke

11491 Sunset Hills Rd.

Reston, VA 20190, USA

Isccoffice@cs.com