



Opportunities for Collaboration

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San Diego, California

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IES Research: Four Strategic Research Goals

Established in 2016:

- Refine knowledge about lighting and visual processes
- Understand the impact of light exposure on human health
- Foster the integration of lighting into the holistic built environment
- Demonstrate the value of quality lighting



Identifying and Funding Projects

- Identifying funding partners to support important research
- Partner with organizations to sponsor summits and research-driven events
- Biannual Research Symposia
 - 2020 IES Research Symposium
Light + Quality, Orlando, Florida,
April 27th to 29th
 - 2018, Light + Health, Atlanta
 - 2016, Light + Color, Gaithersburg
 - 2014, Light + Behavior, Cleveland
 - 2012, Light + Seniors, Washington DC

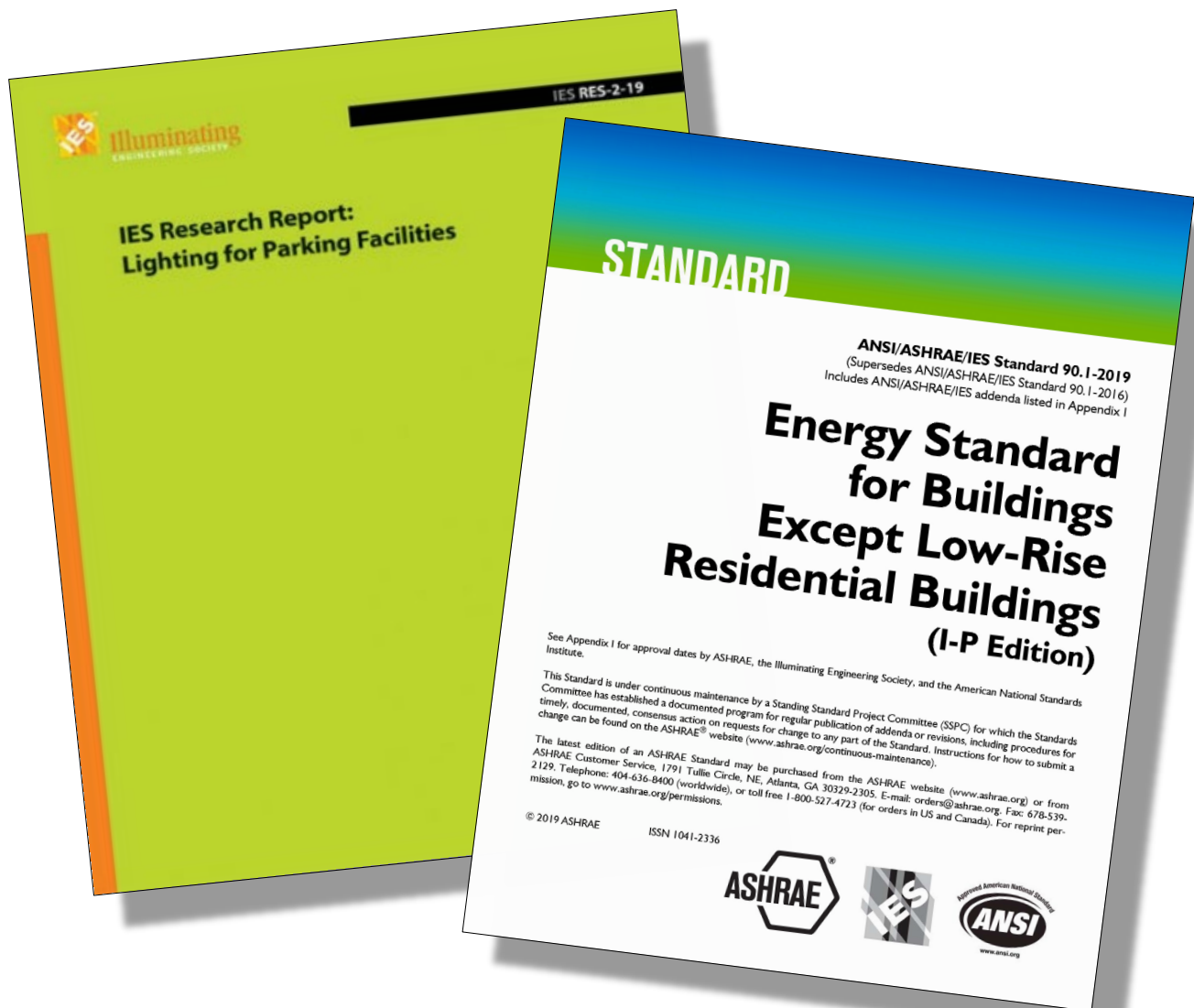




IES Technical Committees & Standards-Specific Research



IES Standards-Specific Research Published



IES Research Report: Lighting for
Parking Facilities (IES RES-2-19)

ASHRAE / IES Standard 90.1:
Lighting Computer Modeling Project



Outreach

AASHTO	CEE	IALD	IWBI	NRC
AATCC	CIBSE SLL	ICC	LCA	NRCan
AIA	CIE	IDA	LDL	NRDC
ALA	CIE-USNC	IEC	LESA	NBI
ALMR	CLIC	IECI	LRC	NXT
AMA	CLTC	IEEE	NAED	OSA
ANCR	CORM	IEIJ	NAESCO	OSHA
ANSI	CPTED	IESANZ	NAHB	PLDC
AOLP	CTBUH	IESSA	NAILD	RBC
ASABE	DLC	IET	NALMCO	SOLA
ASAP	DOE	IFMA	NAS	SID
ASE	DOT	IIC	NCQLP	SLTBR
ASHRAE	EFC	IIDA	NECA	SPIE
ASID	EPA	ILA	NEMA	TIA
ASLA	FDA	ILLI	NEMRA	UL
ASME	FGI	ILP	NFPA	USGBC
ASTM	FHWA	IMSA	NIBS	VZN
AVIXA	FTC	ISA	NIH	Zhaga
BOMA	GSA	ISCC	NIST	
CABA	HCLS	ITE	NLB	
CEA	HFES	ITU	NLCAA	
CEC	HPBCCC	IUVA	NPS	



The Big Picture for Lighting

- Lighting metrics: vision, health, environmental, quality, and economics
- Requires nothing less than the same effort established 100 years ago when lighting metrics were first established
- Our goal is to formulate strong collaborations to identify pathways for funding targeted projects to resolve big picture issues:
 - Vision metrics
 - Glare metrics
 - Flicker criteria
 - Lights and human health criteria (day, night, shift work)
 - Environmentally responsible outdoor lighting criteria



IES Collaboration With the National Park Service

Responsible Outdoor Lighting Criteria:

- The IES is resolved to form a new set of environmentally responsible outdoor lighting standards
- Formation of an Outdoor Lighting Task Group (12 IES committees)
- IES Science Advisory Panel reviewing existing metrics
- New IES Agreement with the National Park Service
- New Memorandum of Understanding with the International Dark Skies Association
- Research needs: New lighting metrics for environmentally sensitive applications, standards to minimize sky glow, etc



IES Outreach Team

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