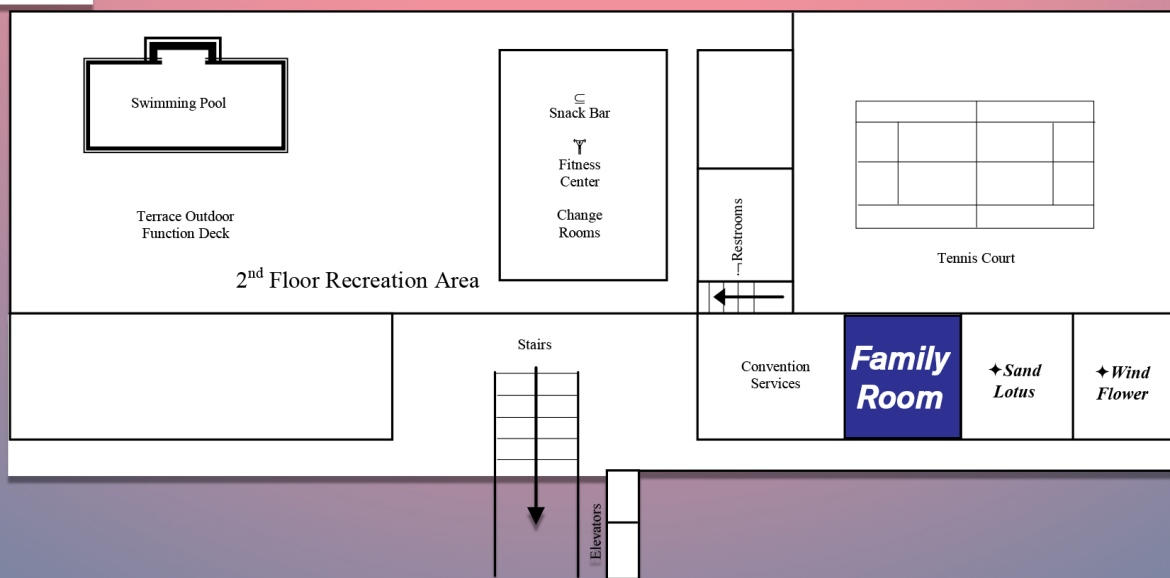


Tempe Mission Palms Hotel

1st Floor



2nd Floor



A Lactation Room is Available in Room 2056
Please ask the Front Desk for the key



**CULTURAL
EVOLUTION
SOCIETY**

CES2018

October 22 - 24
TEMPE, AZ

complexity.asu.edu/ces

Code of Conduct

CES is dedicated to providing a welcoming and harassment-free conference experience for everyone, regardless of gender, gender identity and expression, sexual orientation, disability, physical appearance, body size, race, age, religion, nationality, or the presence of or care for dependents. We do not tolerate harassment of conference participants in any form. Conference participants violating these rules may be sanctioned or expelled from the conference at the discretion of the conference organizers.

Harassment includes, but is not limited to:

- Verbal comments that reinforce social structures of domination related to gender, gender identity and expression, sexual orientation, disability, physical appearance, body size, race, age, religion, nationality
- Sexual images in public spaces
- Deliberate intimidation, stalking, or following
- Harassing photography or recording
- Sustained disruption of talks or other events
- Inappropriate physical contact or unwelcome sexual attention
- Advocating for, or encouraging, any of the above behaviour

For more information or to report an issue, please visit:

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Cultural Evolution Conference 2018

Tempe, AZ

Wednesday, October 24th, 8:30 a.m – 5:20 p.m.

Day 3

Session	Time	Room	Topic
	7:30 AM	Ballroom Foyer	Conference Check-in Opens
	7:30 – 8:30 AM	TBD	Breakfast provided by conference
S1	8:30 – 9:30 AM	Dolores	Language 1
		Ballroom	Formal Models of population dynamics
		San Pedro	Case studies 1
	9:30 – 9:35 AM		5-min Break (Snacks provided by conference)
S2	9:35 – 10:35 AM	Dolores	Primate social learning 1
		Ballroom	Cooperation
		San Pedro	Archaeology
	10:35 – 10:40 AM		5-min Break (Snacks provided by conference)
S3	10:40 – 11:40 AM	Dolores	Cultural Evolution in Non-humans
		Ballroom	Supernatural beliefs and cooperation
		San Pedro	Cultural learning 1
	11:40 AM – 1:00 PM		Lunch (Provided by conference)
S4	1:00 – 3:00 PM	Ballroom	Plenary and lightning talks
	3:00 – 3:15 PM		15-min Break (Snacks provided by conference)
S5	3:15 – 4:15 PM	Dolores	Non-primate social learning 1
		Ballroom	Supernatural beliefs 1
		San Pedro	Ways of thinking about Cultural Evolution
	4:15 – 4:20 PM		5-min Break
S6	4:20 – 5:20 PM	Dolores	Non-primate social learning 2
		Ballroom	Supernatural beliefs 2
		San Pedro	Cultural dynamics
GM	5:30 – 7:30 PM	Ballroom	General Membership Meeting

Language 1 – Dolores

Katie Mudd Yannick Jadoul	Connie de Vos Bart de Boer	Investigating the factors maintaining sign languages using an agent based model
Gerd Carling Sandra Cronhamn Harald Hammarström		Can semantic evolution be predicted? A case study on the Eurasian vocabularies for hunting, farming, and technology
Marco Tulio Coelho Elisa Pereira Hannah Haynie Thiago Rangel Patrick Kavanagh Kathryn Kirby	Russell Gray Simon Greenhill Claire Bower Robert Colwell Nicholas Evans Michael Gavin	Drivers of geographic patterns of North American language diversity
Hettie Roebuck Gary Lupyan		Language and intelligence: the role of 'nameability' in fluid intelligence.

Formal Models of Population Dynamics – Ballroom

Hillary Lenfesty Thomas Morgan	Modelling cultural evolutionary dynamics of prestige-biased copying
Marco Smolla Erol Akcay	How cultural dynamics affect population structure
Alden Wright Cheyenne Laue	Inter-group cultural transmission and cumulative culture

Case Studies 1 – San Pedro

Nicole Fider Natalia Komarova	Quantitative studies of color categorization and category evolution
James Winters Piers Kelly Helena Miton Olivier Morin	Compression effects in the cultural evolution of the Vai script of West Africa
Jay Baldwin	Cop Art: The Evolutionary Origins of the Police Procedural Narrative Form
Olivier Morin Barbara Pavlek James Winters	The evolution of money: How information grew on ancient coins (Greece 650-30 BCE)

Primate Social Learning 1 – Dolores

Axelle Bono
Andrew Whiten
Carel van Schaik
Michael Krützen

Franca Eichenberger
Alessandra Schneider
Erica van de Waal

Payoff- and sex-biased social learning interact in a wild primate population

Eduardo B Ottoni

The lasting and the passing: behavioral traditions and opportunities for social learning in wild tufted capuchin monkeys (*Sapajus* spp.)

Stuart Watson
Gillian Vale
Lydia Hopper
Lewis Dean
Rachel Kendal

Elizabeth Price
Sarah Davis
Steven Schapiro
Susan Lambeth
Andrew Whiten

Chimpanzees demonstrate individual differences in social information use

Donna Kean
Elizabeth Renner
Mark Atkinson
Christine Caldwell

Capuchin monkeys can learn and generalise a win-stay, lose-shift strategy under social information and individual exploration conditions

Cooperation – Ballroom

Timothy Waring
Taylor Lange

Afton Hupper
Ethan Tremblay

Ephemeral Cooperation in the Evolution and Development of Food Cooperatives

William Baum
Peter Richerson

Evolution of Cooperation in the Laboratory-II

Charlotte Brand
Alex Mesoudi

Is there evidence of prestige and dominance-based social hierarchies in naturally-occurring local community groups?

Aaron Lightner
Edward Hagen

Simulating strategic defection in need-based transfers: A re-analysis of risk-pooling and herd survival

Archaeology – San Pedro

Bruno Vilela
Trevor Fristoe
Ty Tuff
Michael Gavin

Patrick Kavanagh
Hannah Haynie
Russel Gray
Carlos Botero

Domesticates Ecological Niches Limited the Historical Transmission of Farming

Kohei Tamura
Takehiko Matsugi

Geometric Morphometrics of Keyhole-Shaped Mounds

Mark Collard
Chris Carleton

Brea McCauley
Andre Costopoulos

An evolutionary agent-based model contradicts Dunnell's version of the waste hypothesis for cultural elaboration

Brea Mccauley
David Maxwell
Mark Collard

Upper Palaeolithic handprints with missing fingers: an ethnological perspective

Cultural Evolution in Non-Humans – Dolores

Elizabeth Hobson	The evolution of socio-cultural conflict strategies
Gareth Roberts Robin Clark	Production, perception, and the dynamics of signaling systems
Susan Perry Brendan Barrett Irene Godoy	Behavioral innovation in wild white-faced capuchin monkeys, <i>Cebus capucinus</i> , at Lomas Barbudal, Costa Rica.

Supernatural Beliefs and Cooperation – Ballroom

Joseph Watts Oliver Sheehan Russell Gray Joseph Bulbulia	The evolution of secular and religious leadership were tightly coupled and mutually reinforcing in early Austronesian societies
Felipe Valencia Caicedo	Christ's Shadow: Non-Cognitive Skills and Prosocial Behavior Amongst the Guarani
Mark Stanford	Religious orthodoxy and folk traditions sustain complementary forms of co-operation: Evidence from Burmese Buddhists
Cindel White Ara Norenzayan	Mental models of supernatural morality

Cultural Learning 1 – San Pedro

Cameron Turner	The Coevolution of Adaptations for Social Learning
Johan Kamal Monica Tamariz	Vertical and horizontal transmission of cultural traits in Malaysian and British students
Michael Chimento Christine Cuskley Simon Kirby	Modeling Strangers: Population size, fluidity, and complexity in shared cultural systems
Charlotte Wilks Gemma MacKintosh Eva Rafetseder Elizabeth Renner Christine Caldwell	Find the treasure: Children's use of social information in a Stimulus Selection Task

Plenary – Nathan Nunn

On the Causes and Consequences of Cultural Variation: Perspectives from Economic History and Development Economics

The talk will provide an overview of recent and ongoing research that seeks to better understand the historical determinants of cultural differences that we observe in the world today. I will also consider the question of how this variation matters for the economic and social well-being of societies. Finally, I will illustrate the importance of understanding cultural differences, and their origins, for policymakers, governments, and NGOs.

Lightning talks

Leonid Tiokhin Minhua Yan Thomas Morgan	Competition for Priority and the Natural Selection of Bad Science
Andrew Shtulman Cara Neal Gabrielle Lindquist	Children's Ability to Learn Evolutionary Explanations for Biological Adaptation
Cristine Legare	Anthropomorphizing science: How does it affect the development of evolutionary concepts?
John Opfer	Knowing What Students Know About Cultural Evolution: Insights from Biology Education
Taylor Davis	Internalized Norms and Taboo Tradeoffs: Taking the Sacred Out of "Sacred Values"
Radek Kundt	Effects of religious auditory cues on dishonest behavior
Aiyana Willard Joanathan Jong Harvey Whitehouse	Rewarding the Good and Punishing the Bad: the moral importance of karma and afterlife beliefs in Singaporean Chinese culture
Lluís Oviedo Hansgeorg Hemminger	The enigma of religion's cultural evolution
Kirsten Lesage Rebekah Richert	Can God Make the Impossible Improbable? Anthropomorphism and Children's Belief that God Can Do the Impossible

Non-Primate Social Learning 1 – Dolores

Robin Clark
Steven Kimbrough

Exploring Honeybee Models of Social Learning

Catherine Sheard
Sally E Street
Mary C Stoddard
Camille Troisi

Andrew Clark
Susan D Healy
Kevin N Laland

The evolutionary flexibility of animal construction: the co-evolution of bird nests and bird eggs

Thibaud Gruber
Dora Biro

Efficiency as a driver of cumulative cultural evolution: from birds to primates

Supernatural Beliefs 1 – Ballroom

Manvir Singh

Magic, explanations, and evil: On the origins and design of witches and sorcerers

Carol R Ember
Ian Skoggard

Resource Stress, Beyond-Household Sharing, and the Involvement of Gods

Michael Muthukrishna

The Evolution of Evil Eye Beliefs and Related Behaviors

Peter Maño
Dimitris Xygalatas

Ritual signaling as an adaptation- and status management strategy in a Tamil-Hindu religious group in Mauritius

Ways of thinking about Cultural Evolution – San Pedro

Alexandra Nikolic
Ellen Mok
Jesse Brinkman
Igor Nikolic

Exploring object-based learning in museums through agent-based modelling

Luke Matthews

Toward a robust statistical toolkit for cultural evolutionary modeling

Francys Subiaul

Summative learning as a mechanism for cultural evolution

Colin Allen

The cognitive paleoethology of expertise

Non-Primate Social Learning 2 – Dolores

Jenny Allen

Ellen Garland
Rebecca Dunlop
Michael Noad

Cultural revolutions reduce complexity in the songs of humpback whales.

Natalie Uomini

Russell Gray

Cumulative and mosaic tool evolution within New Caledonian crows

Damien Neadle

Matthias Allritz
Claudio Tennie

Non-human “culture” – An example of cultural simplicity in action, including a soft (minimal) definition of culture).

Ellen C. Garland

Luke Rendell
M. Michael Poole
Michael J. Noad

When revolutions fail: understanding the underlying mechanisms of humpback whale song revolutions through investigating failures

Supernatural Beliefs 2 – Ballroom

Rohan Kapitany

Christopher Kavanagh
Harvey Whitehouse

The Structural Model of Ritual

Swayze Hansen

Adrian Bell

Increased Presence of Cultural Markers in Constructing Iconoclastic Religious Identities

Cultural Dynamics – San Pedro

Amir Goldberg

Sarah Stein

Beyond "Social Contagion": Associative Diffusion and the Emergence of Cultural Variation

Miran Božičević

Cultural evolution of social power: autocatalysis and random grammar models

Barend van Heusden

Modeling the dynamics of cultural complexity

General Membership Meeting – Ballroom

The General Membership Meeting is important for a young society such as ours. The Executive Committee has a number of ideas about our future on which we need your feedback. We are also confident that Members will have ideas we all need to discuss. Please attend!

PROMOTING DIVERSITY IN QUESTION ASKING



1 in 2 audience members
in academic seminars are
women.

But for every question
asked by a woman, men
ask 2-3 times as many



Visibility matters: people tend to judge whether
they "belong" in a career based on who they see in
it. Low visibility may lead to the attrition of women
and other minorities in academia.

FINDING: WHEN MORE QUESTIONS WERE ASKED,
THE GENDER BALANCE IN THE QUESTIONS FROM
THE AUDIENCE INCREASED*



TIPS: **Organisers:** Allow more time for
questions after a seminar

Moderators: Keep questions and answers short;
intercept 'showing off' questions or comments

Audience: Ask questions after talks; save
statements and comments for after the talk

FINDING: WOMEN REPORT FEELING MORE NERVOUS THAN
MEN ABOUT ASKING QUESTIONS, BUT MEN GET
NERVOUS, TOO



TIPS: **Organisers:** Allow a small break
for time to formulate questions

Moderators: Be encouraging and keep an eye
peeled for questions from less confidently-raised
hands

Audience: Recognise that many others feel the
same way as you; it's ok to feel nervous!

FINDING: PROPORTIONALLY MORE WOMEN ASKED
QUESTIONS WHEN THE FIRST QUESTION CAME
FROM A FEMALE*



TIPS: **Organisers:** State expectations for
behaviour that supports inclusivity

Moderators: Choose someone who would
normally not ask a question first, if possible.

Audience: Consider holding onto your question
briefly, to provide an opportunity for someone
whose voice is heard less often

*these data are correlational, but the tips can't hurt to implement, just in case

for more tips, go here: <http://diversityinacademia.strikingly.com/>