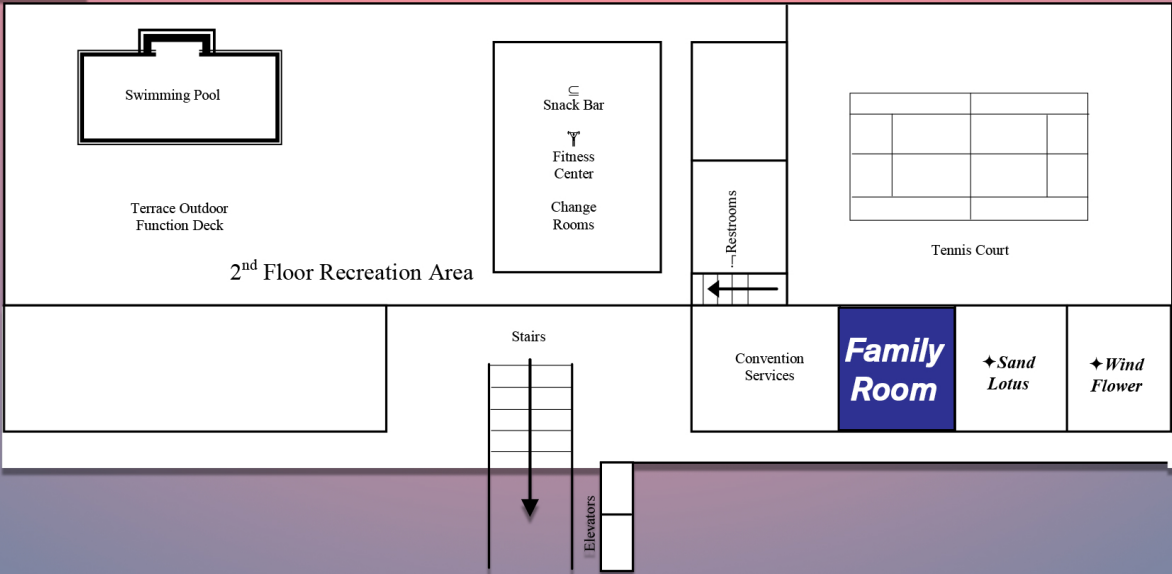


Tempe Mission Palms Hotel

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

Monday, October 22nd, 8:00 a.m – 5:20 p.m.

Tempe, AZ

Day 1

Session	Time	Room	Topic
	7:00 AM	Ballroom Foyer	Conference Check-in Opens
	7:30 – 8:30 AM	TBD	Breakfast provided by conference
	8:00 – 8:30 AM	Ballroom	Opening Address by Pete Richerson (Society President) and Rob Boyd (Head of the Local Organizing Committee)
S1	8:30 – 9:30 AM	Dolores	Intergroup Cultural Transmission
		Ballroom	Teaching and Over-Imitation
		San Pedro	Conceptual Analysis of Theory
	9:30 – 9:35 AM		5-min Break (Snacks provided by conference)
S2	9:35 – 10:35 AM	Dolores	Tool Kit Complexity
		Ballroom	Music and Culture
		San Pedro	Explaining Cultural Variation
	10:35 – 10:40 AM		5-min Break (Snacks provided by conference)
S3	10:40 – 11:40 AM	Dolores	Norms 1
		Ballroom	Cultural Evolution of Stone Tools
		San Pedro	Cultural Learning and Individual Learning
	11:40 AM – 1:00 PM		Lunch (Provided by conference)
S4	1:00 – 3:00 PM	Ballroom	Plenary, Remarks, and Lightning Talks
	3:00 – 3:15 PM		15-min Break (Snacks provided by conference)
S5	3:15 – 4:15 PM	Dolores	<i>Special Session:</i> Culture and Economics
		Ballroom	<i>Special Session:</i> Conformism
		San Pedro	Norms 2
	4:15 – 4:20 PM		5-min Break
S6	4:20 – 5:20 PM	Dolores	Split session: Economics of Gender Roles/Culture and the Archaeological Record
		Ballroom	Group Boundaries
		San Pedro	Innovation

Intergroup Cultural Transmission – Dolores

John Bunce	Boarding schools and cultural dynamics in a multi-ethnic Amazonian population
Renée Hagen Brooke Scelza	Outgroup norm adoption among the Himba in Namibia
Richard Berl Shyamalika Gopalan Gillian Belbin Chris Gignoux	Marcus Feldman Barry Hewlett Brenna Henn Demographic and cultural history of the Chabu hunter-gatherers of southwestern Ethiopia

Teaching and over-imitation – Ballroom

Hanna Schleihauf Hoehl Stefanie	Dual-mode model for overimitation
Michelle Kline Cristina Moya Matthew Gervais Robert Boyd	Irrelevant-Action Imitation is Short-term and Social: Evidence from Two Under-studied Populations
Mark Atkinson Christine Caldwell	Inferring behavior from partial social information and the cultural transmission of adaptive traits
Masanori Takezawa Seiya Nakata	Does teaching promote the cumulative cultural evolution?: Agent-based simulations with computational models of teaching
Daniel Grunspan Michelle Kline Sara Brownell	The Lecture Machine: A Cultural Evolutionary Model of Pedagogy in Higher Education

Conceptual analysis of theory – San Pedro

Indra Gesink	Three arguments against evolution by group selection, in particular as a driver of cooperation, and a way forward
Thomas Abel	The Role of the 'Information Cycle' in Cultural Evolution
Simon Carrignon Alex Bentley Michael Aaron Gilchrist Damien Ruck	How the intrinsic value of information can change the spread of news in social media
Monica Tamariz	Cumulative culture = Darwinian cultural evolution

Tool kit complexity – Dolores

Gili Greenbaum
Marcus W Feldman
Erella Hovers
Oren Kolodny

Could an increase in population connectivity in the Levant have been the driving force of the transition to the Upper Paleolithic?

Jonathan Paige
Deanna Dytchowskyj
Charles Perreault

Measuring the complexity of stone tool technologies from the Lower Paleolithic through the Late Holocene

Alexander Allan
Dennis Sandgathe
Mark Collard

Risk and Hunter-Gatherer Toolkit Structure: A Regional Perspective from the Pacific Northwest

Alden Wright Cheyenne Laue

Smart intergroup horizontal transmission and retention of complex technological traits under environmental change

Music and Culture – Ballroom

Mason Youngblood

The cultural transmission of sampling traditions in a network of musical collaborators

Carson Miller Rigoli
Sarah Creel

Diverse individual timing biases and the emergence of musical rhythm

Bernard Koch
Daniele Silvestro
Jacob Foster

The Birth and (Brutal, Blackened) Death of Cultural Things: A Macroevolutionary History of Metal Music 1968-2000

Sally Street

Cultural evolution operates distinctly in the musical domain

Explaining Cultural Variation – San Pedro

Kathryn Kirby
Simon Greenhill
Russell Gray

Evidence for niche partitioning within and among linguistic groups

Bret Beheim

Milk consumption is globally widespread and increasing: time to rewrite the textbooks?

Fiona Jordan
Péter Rácz
Sam Passmore

Cultural evolution of kinship diversity: the micro and macro of talking about family

Norms 1 – Dolores

Dylan Hadfield-Menell Mckane Andrus Gillian Hadfield	Legible Normativity: The Value of Silly Rules
Øivind Schøyen	Morals favored by previous moral choices are always safer
Cristina Bicchieri Eugen Dimant Simon Gächter Daniele Nosenzo	Feel the Power of the Dark Side: On the Evolution of Norm Erosion
Ehud Lamm	Norm psychology in multi-cultural societies

Cultural evolution of stone tools – Ballroom

Claudio Tennie	The best explanation for the stasis in early hominin stone tool forms is a lack of copying mechanisms
Jonathan Paige Charles Perreault	Were Early Stone Tool Technologies Genetically Transmitted? Comparing Passerine Nests and Acheulean Handaxes
Tamar Rosenberg-Yefet Ran Barkai Ehud Lamm	Where can we draw the line between individual learning and cultural transmission: the case of the Levantine Lower Paleolithic Levallois method

Cultural learning and individual learning – San Pedro

Jacob Harris Robert Boyd Brian Wood	Sources of variation in projectile technology among Hadza of Tanzania
Maxime Derex Jean-François Bonnefon Rob Boyd Alex Mesoudi	Causal understanding is not necessary for the improvement of culturally evolving technology
Lauren Scanlon Andrew Lobb Jamie Tehrani Jeremy Kendal	The effects of non-random social learning error on the cultural evolution of knots
Peter Todd	Searching cultural spaces with evolved cognitive mechanisms

Plenary – Lucy Aplin

Experimental evidence for culture and cultural evolution of foraging behaviour in birds

There is an increasing body of evidence for cultural behaviour in non-human animals. Recent work has also hypothesized that animal cultures could also exhibit some degree of cultural evolution. However we still have relatively little empirical evidence for how such processes may operate in non-human animals. In this talk, I discuss a series of studies of the within and across-generation transmission of foraging traditions in wild birds. First, I show that beneficial innovations can spread through social networks to form stable traditions. Second, that cultural traits can be both inherited and refined over time, with increasing foraging proficiency in later generations. Third, I show that traditions are flexible under environmental change, with behaviours with suboptimal payoffs less likely to survive. Finally, I explore the effect of increasing task complexity on these processes. I finish by discussing when the learnt experience of previous generations will have implications for how individuals exploit their current environment, and how these traits might be important for behavioural flexibility in changing environments.

Remarks on L.L. Cavalli-Sforza – Marc Feldman

Lightning talks

Cody Ross Bret Beheim	Estimating social learning in social networks: A longitudinal analysis of 43 years of opening strategy in a network of 1,072 top-level Chess players
Thomas Morgan Jordan Suchow Thomas Griffiths	Experimental gene-culture coevolution of human social learning in a changing environment
Gemma Mackintosh Christine Caldwell Mark Atkinson	Intentional Communication facilitates Cumulative Cultural Evolution
Dieter Lukas Andreas Ponderfer Toman Barsbai	The pervasive influence of ecology on behavioral variation
Olivier Morin James Winters Thomas Müller Tiffany Morisseau Simon J. Greenhill	The Color Game: Cultural evolution research with a gaming app
Patrik Lindenfors Fredrik Jansson Yi-Ting Wang Staffan I. Lindberg	Investigating Sequences in Ordinal Data: A New Approach With Adapted Evolutionary Models
Matthew A. Turner Paul E. Smaldino	Cultural polarization depends on whom we learn from, when we learn, and how well we communicate
Duman Bahrami-Rad Anke Becker Joseph Henrich	Tabulated Nonsense? On the Validity of the Ethnographic Atlas and the Persistence of Culture

Special Session: Culture and Economics – Dolores

Sara Lowes	Matrilineal Kinship and Spousal Cooperation: Evidence from the Matrilineal Belt
Alessandra Cassar Jane Zhang	Finding the Femina Economica
Raul Sanchez de la Sierra	Why Being Wrong Can Be Right: Magical Warfare Technologies and the Persistence of False Beliefs
Patrick Francois	Cultural Group Selection in The Workplace and the Laboratory

Special Session: Conformism – Ballroom

Andrew Whiten Stuart Watson		Conformity: Comparative and Evolutionary Studies of Primates and Other Animals
Marius Somveille Joshua Firth Lucy Aplin	Damien Farine Ben Sheldon Robin Thompson	Movement and conformity interact to establish local behavioural traditions in animal populations
Jennifer Clegg Nicole Wen Cristine Legare	Cara DiYanni Kathleen Corriveau	Cross-cultural evidence for the role of socialization in children's conformity
Sabine Nöbel Arnaud Pocheville Guillaume Isabel Etienne Danchin		Fruit flies conform in love

Norms 2 – San Pedro

Eva Kundtová Klocová	Kneeling: communication of morality or power asymmetry?
Øivind Schøyen	What Limits the Powerful in Imposing the Morality of Their Authority?

Split Session: Economics of Gender roles/Culture and the Archaeological Record – Dolores

Duman Bahrami-Rad	Keeping It in the Family: Female Inheritance, In–marriage, and the status of Women
Alessandra Cassar Mary Rigdon	Competition for influence
Kathy Schick Nicholas Toth	Cultural Evolution and the Archaeological Record
Thomas Schoenemann	Research on the evolution of language and its relationship to the archaeological record

Group boundaries – Ballroom

Karie Moorman Teenie Matlock	Magnitude of Metaphor: its effect on reasoning about immigration
Adrian Bell	Measuring Ethnic Markers in the Field Using a Classification Study
Alina Paegle Adrian Bell	Finding Potential Ethnic Markers Through a Three-Step Ethnographic Investigation
William Wimsatt	Three connected problems in theories of cultural evolution: population structure, development, and technology

Innovation – San Pedro

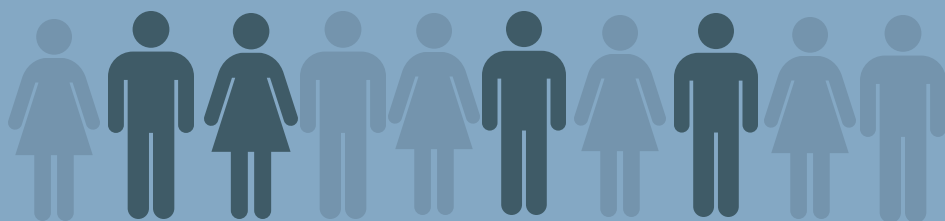
Emma Flynn Rachel Kendal Kayleigh Carr	Innovation takes time: Children's novel behaviour production is aided by increased time
James Winters Thomas Müller	The emergence and evolution of structured patterns in a large-scale online collaborative art project
Peter Richerson	The Evolution of Cultural Maladaptations

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/>