

2017 Strathmore Research Symposium Timetable

General Timetable

Date	9.00 am to 12.30 pm	Venue	2.00 pm – 4.30 pm	Venue
Mon 13.11	Grant Management Training	Fahari Room SBS	Grant Management Training	Fahari Room SBS
Tue 14.11	Welcoming Remarks (9.00 am – 9.30 am)	Microsoft Auditorium		
	ICT, Mobile Applications and Cyber-Security (from 9.30 am)	Microsoft Auditorium	ICT, Mobile Applications and Cyber-Security	Microsoft Auditorium
	Public Policy, Governance and Integrity	Tanzanite Room SBS	Public Policy, Governance and Integrity	Tanzanite Room SBS
	Humanities and Social Sciences	Fahari Room SBS	Humanities and Social Sciences	Fahari Room SBS
Wed 15.11	ICT, Mobile Applications and Cyber-Security	Microsoft Auditorium	ICT, Mobile Applications and Cyber-Security	Microsoft Auditorium
	Mathematical Applications and Economics	STMB – B-04	Mathematical Applications and Economics	STMB – B-04
	Renewable Energy and Energy Efficiency	SGS Seminar Room		
	Law, Extractive Industries and Intellectual Property	Kifaru Classroom		
Thu 16.11	Health, Healthcare Management and Research Ethics	Main Auditorium	Health, Healthcare Management and Research Ethics	Main Auditorium
	Entrepreneurship, Business Innovation and Management	Tanzanite Room SBS	Entrepreneurship, Business Innovation and Management	Tanzanite Room SBS
	Tourism and Hospitality	Microsoft Auditorium	4.30 pm - 5.30 pm: Plenary Roundtable - The Impact of University Research on the Kenyan Economy 5.30 pm - 7.00 pm: Cocktail	Main Auditorium
Fri 17.11	Health, Healthcare Management and Research Ethics (from 11.00 am)	Microsoft Auditorium	Launch of University Research Strategy and 2016 Research Report (2.00 pm to 4.30 am)	SBS Auditorium
Sat 18.11	Grant Writing Training for Healthcare Professionals	Mvuli Room SBS		

Tuesday 14th November 2017

Track: ICT, Mobile Applications and Cyber-Security

Venue: Microsoft Auditorium, STMB

Time	Title of Presentation	Name	Position
09.00 am – 09.30 am	Opening Remarks		
09.30 am – 10.00 am	Time-Based Blind SQL Injection on HTTP Headers: Fuzzing and Exploitation.	John Ombagi	Staff
10.00 am – 10.30 am	Human Motion Analysis for Detecting Concealed Firearms on Video Surveillance In Kenya	Henry Muchiri	Staff
TEA BREAK			
11.00 am – 11.25 am	Applicability of k-12 Science Data Logging Solution in Kenyan Curriculum	Victor Malombe	Staff
11.25 am – 11.45 am	Better farm through technology	Taragon Hillary Kipchirchir	Student
11.45 am – 12.10 pm	Use of Technology and Interactive Media to enhance Children and Teenage Creativity	Tracy Nyatoro Weru	Staff
12.10 pm – 12.30 pm	Cyber Security	June Mwololo	Student
LUNCH BREAK			
02.00 pm – 02.30 pm	A Predictive Analytics Algorithm Tool for Appraising Students Retention: Case Kenyan Universities	Steve Kayugira	Staff
02.30 pm – 03.00 pm	Using Systems Thinking Approach to Investigate the Assimilation of Open Source Software Technologies	Patrick Shabaya	Staff
03.00 pm – 03.30 pm	Maintaining a Bitcoin address repository through focused web-crawling	Caroline Macharia	Student
03.30 pm – 04.00 pm	SmartCareer	Faith Too	Student
04.00 pm – 04.30 pm	Aircraft Sequencing Problem upon Arrival of Flights	Racheal Gathagu	Student

Track: **Public Policy, Governance and Integrity**

Venue: **Tanzanite Room, SBS**

Time	Title of Presentation	Name	Position
09:00 am – 09:30 am	The cost of the Constitution: Costing implications & impact	Dr Luis Franceschi	Staff
09:30 am – 10:00 am	Participatory model for General Governance: Leave No One Behind – A case study of Mukuru Special Planning Area	Jack Makau, Joseph Kimani, Grace Gatheru	Industry
10:00 am – 10:30 am	Would Slum Dwellers Prefer Improved Home Ownership? – Evidence From a Conjoint Analysis in Mukuru & Kiandutu, Kenya	Mary Wanza Kipkemoi	Staff
TEA BREAK			
11:00 am – 11:30 am	Leveraging Industry Academia Linkages: Industry Relevant Research in Retirement Benefits	Simon Wafubwa Naomi May	Industry Staff
11:30 am – 12:00 pm	Policy Options for the Government to Acquire Private Land for Public Good.	Jane Weru	Industry
12:00 pm – 12:30 pm	The Mukuru Special Planning Area.	Marion Rono	Industry
LUNCH BREAK			
02:00 pm – 02:30 pm	Challenges to the Successful Implementation of E-Governance Systems in Africa: A Case of Taita Taveta County, Kenya	Tabitha Mberi	Staff
02:30 pm – 03:00 pm	UNEP plastic audit: Plastic audit framework design	Alex Osunga	Student
03:00 pm – 03:30 pm	Empirical Analysis on the Utility of Research Designs in Change Management	Dr. Joseph Onyango	Staff
03:30 pm – 04:00 pm	Relationship between parental education and student attrition in private universities in Nairobi County	Mary Mukami Njoroge	Staff
04:00 pm – 04:30 pm	Role of Financial Aid on Kenyan University Students' Enrolment Management: A Case study of Strathmore University	Kevin Muchemi; Dr. Magdalene Dimba	Staff

Track: Humanities and Social Sciences

Venue: Fahari Room, SBS

Time	Title of Presentation	Name	Position
09.00 am – 09.30 am	Competence Based Curriculum for skills Development through dual training: evidence from Eastlands College of Technology.	Christopher Momanyi	Staff, SHSS
09.30 am – 10.00 am	Child as gift in society	Caroline Shisubili Maingi	Staff; SHSS
10.00 am – 10.30 am	An Investigation into The Work Ethic Of Millennials Using A Wojtylan Model	Caroline Njuguna Wakori	Staff, SHSS
TEA BREAK			
11.00 am – 11.30 am	The moral chip	Dr John Branya	Staff, SHSS
11.30 am – 12.00 pm	Friendships on Facebook	Sandra Mututi	Staff, SHSS
12.00 pm – 12.30 pm	Teenage Awareness	Diana Fifi Amakobe	Student, SU
LUNCH BREAK			
02.00 pm – 02.30 pm	The Effects of Colonialism in present day Africa	Simon Tukahriwa	Student, SU
02.30 pm – 03.00 pm	Is the Family a Principle of the Nation in the Kenyan Constitution	Raymond Mutura	Student SU
03.00 pm – 03.30 pm	School Fires and General Indiscipline, treat cause and not symptoms	Patrick Kibui	Staff SU
03.30 pm – 04.00 pm	Perception of the Role of Aesthetics in Daily Living Among University Students in Kenya	Esther Kariuki	Staff, SHSS
04.00 pm – 04.30 pm	Aristotle and St. Thomas on magnanimity: Seminary agenda for Servant-Leadership	Wokorach Raphael p'Mony	Student SU

Wednesday 15th November 2017

Track: ICT, Mobile Applications and Cyber-Security

Venue: Microsoft Auditorium, STMB

Time	Title of Presentation	Name	Position
09.00 am – 09.30 am	Implementing Customised Ring-back Tones on IP Multimedia Networks	Dr. Vitalis Gavole	Staff
09.30 am – 10.00 am	@iLabAfrica Developing eLearning Content to boost Blended Learning Efforts in Kenya	Kenedy Munene	Staff
10.00 am – 10.30 am	QA APP	Kennedy Musembi Munyao, Edmond Menya & Bernard Shibwabo	Student, Staff, Staff
TEA BREAK			
11.00 am – 11.20 am	TCP Congestion Control, Optimisation and Performance Enhancement Using Artificial Neural Networks	Omoti Kevin Akal Luka	Student
11.20 am – 11.40 am	How to Teach Data Structures and Algorithms	Kenga Mosoti Derdus	Staff
11.40 am – 12.00 pm	An Android Booking Application	Mary Watiri & Bernard Shibwabo	Student, Staff
12.00 pm – 12.20 pm	Cabin Crew Roster Mobile Application(Safiri Airlines)	Wanyang Michelle Ochieng	Student
LUNCH BREAK			
02.00 pm – 02.20 pm	A mobile application that connects truck drivers to clients	Ngugi John Rarui & Allan Omondi	Student, Staff
02.20 pm – 02.40 pm	Need of Collaboration between Industry and Higher Learning Institutions to Bridge Skills Gap in Technology Sector in Kenya	Fatma Balala	Staff
02.40 pm – 03.00 pm	Safaricom and internet traffic tampering: Network Measurements	Francis Monyango	Staff
03.00 pm – 03.20 pm	Web Based Farm Input Distribution System	Ian Mwenda Mwamunga & Bernard Shibwabo	Student, Staff
03.20 pm – 03.40 pm	Wireless Oil Monitoring System in Tankers for Oil Theft Prevention	Stephen Oduor	Student
03.40 pm – 04.00 pm	The Intersection of Traditional Media and New Media (Digital Media). Threats, challenges and Unexplored Opportunities.	JudyAlice King'ori	Student
04.00 pm – 04.30 pm	Elimisha Stratizen Fundraising Management System	George Muchiri & Bernard Shibwabo	Student, Staff

Track: **Mathematical Applications and Economics**

Venue: **STMB – B-04**

Time	Title of Presentation	Name	Position
09:00 am – 09:30 am	Mathematical Modelling	Prof Livingstone S. Luboobi	Staff, SIMS
09:30 am – 10:00 am	The Effect CD4+ Lymphocyte Resistance, in Proportion and Degree, on HIV dynamics	Dr. Andrew Omandi Cole	Staff, SIMS
10:00 am – 10:30 am	Mathematical model for hepatocytic-erythrocytic dynamics and therapeutic control of malaria	Titus Orwa	Staff, SIMS
TEA BREAK			
11:00 am – 11:30 am	Fraud Detection using Machine Learning: A Comparative Analysis of Neural Networks & Support Vector Machines	Joseph Theuri Gitonga	Student, SIMS
11:30 am – 12:00 pm	Mobile Telephony, Social Networks and Micro Small and Medium Enterprises Access to Credit	Dr. Jackson Idi Mdoe	Staff, SIMS
12:00 pm – 12:30 pm	An Analysis of Asset Pricing Financial Stability and Monetary Policy in Kenya	Steve Makambi	Staff, SIMS
LUNCH BREAK			
02:00 pm – 02:30 pm	An Empirical Analysis of Inclusive Growth in Kenya	Ronald Wakhu	Student, SIMS
02:30 pm – 03:00 pm	Macroeconomic Variables and Consumption Based Asset Pricing in Kenya.	Rose Kagumba	Student, SIMS
03:00 pm – 03:30 pm	The Effect of Demographic Transition on The Equity Risk Premium in Kenya	Gloria Kendi	Student, SIMS
03:30 pm – 04:30 pm	The Growing Importance of Financial Mathematics in Africa	Ferdinand Othieno	Dean, SIMS

Track: **Renewable Energy and Energy Efficiency**

Venue: **SGS Seminar Room, Student Centre 2nd Flr**

Time	Title of Presentation	Name	Position
09.00 am – 09.20 am	Partnership for Enhanced engagement in Research (PEER) Project	Sharon Odemba	SERC Staff
09.20 am – 09.40 am	Low-cost remote energy metering solution for minigrids	Alex Riri Mari	SERC Staff
09.40 am – 10.00 am	Strathmore Energy Research Centre Solar Testing Laboratory	Anne Wacera Wambugu	SERC Staff
10.00 am – 10.30 am	Climate Resilient Low-Cost Low-Carbon Housing Project in Marsabit County	Mwaura Njogu	SERC Staff
TEA BREAK			
11.00 am – 11.20 am	Use of Low Power Wide Area Networks and Lightweight protocols to remotely monitor energy use	Leonard Mabele	Staff
11.20 am – 11.40 am	Home Energy Monitoring System Based on Long Range Low Power Connectivity	Leonard Mabele	Staff
11.40 pm – 12.00 pm	Thermo-Electrohydrodynamic Lubrication Analysis of a Journal Bearing	Stephen Oduor	Student
12.00 pm – 12.30 pm	Plenary Session: Energy Research – Current Status and the role of Industry and Academia in its Advancement	Stakeholders in Research in the Energy Industry	
LUNCH BREAK			

Track: **Law, Extractive Industries and Intellectual Property**

Venue: **Kifaru Classroom, @iLab**

Time	Title of Presentation	Presenter	Position
08.30 am – 09.15 am	The Listening Project: Capturing Community Voices-A First Step towards Informed Dialogue in Kenya's Extractives Sector	Dr Melba Wasuna	Staff
09.30 am – 10.15 am	Designing Compliance Patterns: Integrating Value Modeling, Legal Interpretation and Argument Schemes for Legal Risk Management	Dr Robert Muthuri	Staff
10.15 am – 11.00 am	When States Fail to Deliver on Access to Medicines: Are Non-Judicial Redress Mechanisms the Answer to Enforcing Access to Essential Medicines?	Claire Adionyi	Staff
LUNCH BREAK			

Thursday 16th November 2017

Track: Health, Healthcare Management and Research Ethics

Venue: Main Auditorium, SU

Time	Title of Presentation	Name	Position
09.00 am – 09.30 am	Evaluation of Changing Health Policy on HIV Treatment for Prevention of Mother to Child Transmission in Kenya	Dr. Collins Odhiambo	Staff
09.30 am – 10.00 am	Nurses perceptions of quality of newborn inpatient care in Nairobi	Mary Nyikuri	Student
10.00 am – 10.30 am	Engendering rule of law in health care delivery in Kenya	Smith Ouma, Mbori Otieno, Cynthia Amutete	Staff
TEA BREAK			
11.00 am – 11.30pm	Medical Negligence and Malpractice in Kenya: A study in Reproductive Health Rights	Sylvia Wanjohi	Student
11.30 am – 12.00 pm	An Integrated Healthcare Information System	Joey Alila Miguda	Student
12.00 pm – 12.30 pm	A Web-Based Healthcare Record-Keeping Information System	Obiero Angella Masitsa	Student
LUNCH BREAK			
02.00 pm – 02.30pm	A Mobile-Based Drugs and Alcohol Addiction Self-Assessment and Management Scheme	Mutua Lewis Mwangi	Student
02.30 pm – 03.00 pm	A Framework for Cloud-based Patient-Centered Health and Wellbeing Services in Underserved-Context: Case of Kenya's Healthcare System	Danny Nyatuka	Staff
03.00 pm – 03.30pm	Medical emergency app	Cynthia Taragon	Student
03.30 pm – 04.00 pm	A Mobile Phone Solution for Systematically Identifying and Reporting Unqualified Practitioners in Healthcare, Kenya.	Doreen Aradi	Student
04.00 pm – 04.30 pm	Evaluation of a Community Health Worker Program implemented through a Private-Public Partnership - Design and Baseline results	Miriam Njoki Karinja	CREATES

Track: **Entrepreneurship, Business Innovation and Management**

Venue: **Tanzanite Room, SBS**

Time	Title of Presentation	Name	Position
09.00 am – 09.30 am	Business Process Management in Enterprise System Environments	Elizabeth Wamicha	Staff
09:30 am – 10.00 am	Use of Social Media by Strathmore Undergraduate Students for Entrepreneurial Activities	Joan Ndung'u	Staff
10.00 am – 10.30 am	A Normative Reflection on Public Relations and/or Corporate Communications Practice in Kenya	Dr Wilfred Marube	Staff
TEA BREAK			
11.00 am – 11.30 am	Demographic Determinants of Investments Preference in Investment Groups Located in Nairobi County of Kenya	Dr James N Ndegwa and Eric Maanthi	Staff
11:30 am – 12.00 am	Determinants of interest rate margin among commercial banks in Kenya	Hope Mutanu Rober	Student
12.00 pm – 12.30 pm	Suitability of Crowd funding as an alternate source of capital for SMEs	David Ndegwa	Staff
LUNCH BREAK			
02.00 pm – 02.30 pm	Determinants of interest rate margin among commercial banks in Kenya	Hope Mutanu Robert	Student
02.30 pm – 03.00 pm	An E-tendering System for Businesses and Institutions In Kenya	Leah Nyambura Kamau	Student
03.00 pm – 03.30 pm	The determinants of volatility of lending interest rate in Kenya	Teresa Githiaka	Staff
03.30 pm – 04.00 pm	Light Bulb	Sharleen	Student
04.00 pm – 04:30 pm	Electronic Marketing Practices, Corporate Culture, competitive Environment and Performance of Telecommunications Companies in Kenya	Olgha Adede	Staff

Track: **Tourism and Hospitality**

Venue: **Microsoft Auditorium, STMB**

Time	Title of Presentation	Name	Position
09.00 am – 09.15 am	Adoption of information and communication technologies in the tourism industry in Kenya	Dr Fredrick Oduori	Staff
09.15 am – 09.30 am	The Rise of the Sharing Economy: A Paradigm Shift from Conventional Hospitality Operations in Nairobi	AbbyChristine Njeri Murage	Student (KU)
09.30 am – 09.45 am	Impact of Digital Technology in Catering Establishment	Mary Namunyak	Staff
09.45 am– 10.00 am	Sustainable Tourism with Links to the Environment	Beth Akinyi	Student
10.00 am 10.15 am	Amboseli Research Expedition: A student research experience	Joyce Mutua and Tamara Sayiato	Student
10.15 am – 10.30 am	Beach Tourism as a Shared Income Earner in Kenya: Conflicts and Prospects	Dr Boniface Kihima	Staff (TUK)
TEA BREAK			
11.00 am – 11.20 am	An Exploration of the Transition from training to the workplace: case of Kenyan hospitality sector	Collins Haggai	Staff
11.20 am – 11.30 am	Assessing the levels of participation and satisfaction of local community on tourism development in Amboseli	Caroline Chelelgo	Student
11.30 am – 11.50 am	Environmental buying decision of restaurant customers in Kenya	Dr Lucy Gikonyo; Pauline Thumbi	Staff
11.50 am – 12.10 pm	The significance of conservation in improvement of destination quality in Amboseli	Joyce Mutua	Student
12.10 pm – 12.30 pm	Tourism innovation: The role of university-industry partnership	Dr David Chiawo	Staff
LUNCH BREAK			

Friday 16th November 2017

Track: Health, Healthcare Management and Research Ethics

Venue: Microsoft Auditorium, STMB

Time	Title of Presentation	Name	Position
09.00 am – 09.30 am	mHealth solutions for Kenya - Needs assessment & implementation research	Dr Pratap Kumar	Staff
09.30 am – 10.00 am	M-Health Improving Quality of Care at Primary Health Care Clinics: A mixed method study	Anita Musiega	Staff
10.00 am – 10.30 am	History of Bioethics in Kenya	Ambrose Rachier	
TEA BREAK			
11.00 am – 11.20 am	Clinical Trials Capacity building in the Africa	Dr Ogutu Bernhards	CREATES
11.20 am – 11.40 am	Socio-Technical Approach to Road Safety (STARS)" collaborative research with University of Southampton, UK	Prof Gilbert Kokwaro	Staff
11.40 am – 12.00 pm	Research Ethics: The current state and commitments for scholars and early careers	Dr David Chiawo; Dr Virginia Gichuru	Staff
12.00 pm – 12.30 pm	Understanding the Impact of Innovations in the Regulation of Kenya's health facilities	Eric Tama; Dr Frank Wafula	Staff
LUNCH BREAK			
02.00 pm – 02.30 pm	Official Launch of the Research Strategy (2017-2022) and the Research Report 2016*		

*This launch will take place in the SBS Auditorium.